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Cat Page #1172

W.C. Russell

July 1957 - May 1958

Misc. catalogue

#13215 - 13303

N.C. Russell M.V.Z., Berkeley, Calif.

July 11 1957 — 3 birds & 3 mam. spoed as skel. or skull.
acc. 9370 (13) spec. rec.

San Diego Zoo.

Skel. Only 13215 ♂ Anser indicus
Skel. Only 13216 ♂ Nothocrax urumutum
Skel. only 13217 ♀ Alectura lathami — Laying
Skel. only 13218 ♂ Pipio porcarius — 1042-305-228-63
Skel. Only 13219 ♂ Glaucidea demidovi — 432-250-70-35
Skull only 13220 ♀ Pipio caboeum — 791-400-145-50

These animals were in poor condition when frozen. In poorer condition when thawed. No chance to make a skin.

Aug 7 1957
not acc. for exchange

Woolsey Canyon, Berkeley, Alameda Co, Calif
13221 ♂ Sylvilagus bachmani — 328-30-75-55 — In
Taken with bow & arrow.

Sept. 9, 1957 Acc 9383 — 15 Spec. rec Sept 5 1957

San Diego Zoo

Skel. Only 13222 ♀ Paradisea minor
Skel. Only 13223 ♀ Dromiceius n. novae
Skin 13224 ♀ Garrulax leucolophus
Skel. only 13225 ♂ Pteroglossus pluricinctus
Skin 13226 ♂ Platycercus elegans
Skin 13227 ♂ Platycercus adscitus palliceps
Skel. Only 13228 ♂ Cristatus decoratus
Skel. Only 13229 ♂ Coturnix japonica
Skel. Only 13230 ♀ Neopelia galapagoensis

M.V.Z. Berkeley, Calif

Sept 9 1957
acc 9383 (cont'd) (15)

San Diego Zoo

SKin
13231 ♂ Francolinus sharpii wt. 592.2g.
Skel. Only
13232 ? Dacelo novaeguineae
SKin
13233 ♂ Cloephaga poliocephala " 1553.0g.
SKin
13234 ? Alectura lathami
SKin
13235 ♀ Ara chloroptera
Skin + skel.
13236 ? Callorhinus ursinus 1020-132-241-34

Rec. as frozen specimens. Saved as 7 bird skins + 7 bird skeletons + 1 mammal skin + skeleton. Tail measurement of #13236 taken after skinning. Difficult to determine where base of tail is with skin in place.

Sept 25 1957
acc 9393 (1)

Santa Barbara Co. Channel Is. Nat'l Mon.

Skeleton Only
13237 ? Haliaeetus leucocephalus
Found dead Sept 11 1957 by William Bullard.
Brought to M.V.Z. by William Dunmire.

Oct 6-11 1957
acc (

5 mi. NE Junction White Cap Cr. & Selway R. Idaho Co, Idaho.

13238 ♂ Canada Jay
13239 ♂ " "
13240 ♀ " "
13241 ♂ Stellar Jay

W.C. Russell M.V.Z., Berkeley, Calif.

Oct 6-11 1957

acc 9398 (12) cont'd

5 mi. NE Junction Whitecap Cr. & Selway R., Idaho Co Idaho.

13242	♀	Franklin Grouse	taken	Oct 6 1957
13243	♀	Pigmy Owl	"	Oct 8 1957
13244	♂	Clark Nutcracker	"	" " "
13245	♂	"	"	" " "
13246	♂	Sooty Grouse	"	Oct 10 1957
13247	♀	"	"	" " "

Junction Whitecap Cr. & Selway R., Idaho Co., Idaho

13248	♂	Ruffed Grouse	"	Oct 11 1957
13249	♂	"	"	" " "

The above dozen birds were taken incidentally on an elk hunt in Idaho. The Canada Jays, Stellar Jay & Nut crackers were taken with a mouse trap and a Schuyler trap placed on the roughed out pelvis of a deer placed in a pine tree. The birds were after the chunks of fat on the pelvis. Grouse, all three kinds were plentiful and very tame. One of our party killed a Sooty grouse with a rock and a Franklin grouse with a stick. One of the Ruffed Grouse #13249 was killed on road by a car. About 12" of snow on level at upper altitudes when we made camp Oct 5. Weather warmed and most of snow melted by a week later. We took 3 deer but no elk.

W.C. Russell M.V.Z., Berkeley, Calif.

Oct 22 1957

acc 9397 (1)

Micke Grove Park, Lodi, Calif.

Skel. + skin
13250 ♀ 1252-775-168-31

Rec. from Ronald Reuther. Died ~~Sept 16~~ Sept 17, 1957

Saved as complete skeleton + skin.

Nov 5 1957

not acc. for Class Collection

10 mi. S Marysville, Yuba Co, Calif.

13251 ♂ Nyroca americana wt. 1155.0g.

Coll. by A.S. Leopold on Oct. 26, 1957

Nov 14 1957 mc.

acc. 9410 (8) specimens

7 saved.

San Diego Zoo.

Skeleton only
13252 ♀ Casuarius unappendiculatus occipitalus

Seping of above specimen done by Zoo.

Nothing left inside for me to confirm it.

Skeleton only
13253 ♂ Phacochrus m. mocinno

Skeleton only
13254 ♂ Trichoglossus novae-hollandiae

Skin
13255 ♀ Gracula religiosa intermedia

Skeleton
13256 ♂ Lorius roratus solomonensis

Skin
13257 ♂ Anthropoides virgo

Skeleton only
13258 ♂ Chauna torquata

~~13259 ♀ Setonix brachyurus~~ discarded

Seping of all specimens done at Zoo. Cleaned out so I can't check their work.

W.C. Russell M.V.Z., Berkeley, Calif.

Nov 21 1957

Since there has been several inches of early rains it occured to me that possibly the moles might start breeding earlier than was the case last year when it was very dry till after Christmas. Went to the area around Tomales, Marin Co and put out 9 spear traps and 7 live traps. This live trap is a new untried version of type used last year. There wasn't as much activity in mole workings as I had expected.

Nov 22 1957

Caught only 3 moles and they are not pregnant yet. The tubes of 2 of the ♀'s were minute while one showed a bit of endargement. However slides were made of this individual and it proved to be not pregnant. This still dormant state of sexual activity is reflected in the fact that surface mounds were not too plentiful. Also the 3 ♀'s were taken at sites of small mounds. Do it appears that early rains have not stimulated the moles to breed as I thought might be the case.

W.C. Russell M.V.Z., Berkeley, Calif.

Dec. 5, 1957

acc. 9424 (2)

Micke Grove Zoo, Lodi, Calif.

+Skeleton
13259 ♂ Lion 390-0-130-30 —

+Skeleton
13260 ♀ Lion 460-0-155-35 —

Rec. as frozen carcass from
H. Reuther.

Dec 28 1957 acc 9435 (1)

Oakland & Berkeley, Alameda Co, Calif.

13261 ♀ Ground Squirrel 658-395-81-29

Died Dec 27 1957. Came from J.M. Aviaries in Glendale to Pet Store in Oak. Rec. by Susan Keene-Mearns 2729 Elmwood ave

Jan 5 1958

acc 9438

Grey Lodge Refuge, 10 mi. SW Gridley, Butte Co, Calif.

13262 ♂ Anser a. gambeli eye ring yellow wt. 7.0 lbs.

Collected on "Brady 80" along south boundary of refuge by Jerry Russell. There were 4 birds in group, all of a similar size. In the fog he first thought they were honkers, judging by the apparent size.

N.C. Russell M.V.Z., Berkeley, Calif.

Jan 22 1958

Dan Wilhoft & I went to Marin Co this morning to set mole traps. Took all day to get out 11 spear & 10 live traps. Have reworked the live traps again and will not describe this model till it at least works satisfactorily. Ground in perfect condition for digging. Guess the moles think so too for there is much activity.

Jan 23 1958

Very poor luck trapping this morning. In fact took only 2 moles from spear sets & 1 live mole from 10 live traps. However the few that were taken were in the proper type of workings for each sex during the breeding season. At least according to my theory, which is this. The ♂♂ are in the shallow runs & the ♀ in the deep runs with large mounds. The live mole, a ♀ is being kept alive in an out door pen. It was taken from a series of huge mounds. The one ♂ taken had testes 12 mm. and was in a perfect shallow run with no mounds in vicinity. The tubes of the other ♀ were enlarged and

W. C. Russell M.V.Z., Berkeley, Calif.

Jan. 23, 1958

had just the faintest suggestion of ecto swellings. Slides are being made to determine if it is pregnant.

In the vicinity of Tamales saw 3 flocks of 75+100 Starlings. They were around the dairy cattle much like the flocks of Blackbirds. These are the first flocks I have seen since coming here to trap moles.

The live traps didn't function worth a darn. Too hard to spring - will have to rework again.

Jan 28 1958

The ♀ mole I had in captivity died after 5 days. I had not given her any water and this may have been the reason. She had 2 emb. all in one tube.

3 mi. W Tomales, Marin Co., Calif.

Skull only 13263 ♀ Scapanus 3 emb ✕ in large mounds Jan 23 1958 175-31-21

W.C. Russell M.V.Z., Berkeley, Calif.

Jan 30 1958
acc 9453 (7) 10 rec. 7 saved.

San Diego Zoo

Skel. only
13264 ? Pygoscelis adeliæ

Skel. only
13265 ? Pithecophaga jefferyi

Skel. only
13266 ♂ Dendrocygna javanica

Skin
13267 ♂ Parotia carolae curipennis

Skin
13268 ? Chauna chavaria

Skel. only
13269 ♂ Phoscolarctus c cinereus 654-0-105-69

Skin + skel. complete
13270 ♂ Macaca nigra 577-44-176-30

This measurement taken after skinning.
Rec. as frozen carcasse - some rotten - poor shape.

Feb 3 1958

Albany, Contra Costa Co. acc. 9458

13271 ♀ Pavo cristatus

Found by Blanche Vranna brought in by C. B. Thompson. Undoubt a captive bird, gotten loose.

Feb 26 1958
not acc. for Palev.

Berkeley, Alameda Co, Calif.

Skel. only
13272 ♂ Didelphis 760-315-60-52

~~To be given to Paleo dept.~~
Donated to Dr. Elizabeth Horner
Smith College.

San Diego Zoo Mar. 10, 1958

Acc 9490 (14) rec Mar 8 1958

Skin + Skel. 13273 ♂ Alligator sinensis length 47".

Skel. only 13274 ? Litocranius walleri 1500-227-406-119

Skel. 13275 ? Aprosmictus erythropterus

Skin 13276 ♀ Tyto alba delicatula

Skel. 13277 ♂ Lophophaps plumifera

Skel. 13278 ♀ " "

Skel. 13279 ♂ Tanygnathus lucionensis

Skel. 13280 ♂ Chrysolophus amherstiae

Skel. 13281 ♂ Agelaius icterocephalus

Skel. only 13282 ? Podargus strigoides

Skin 13283 ♀ Aceros undulatus

Skin 13284 ♀ Balearica pavonina regalorum

April 17 1958 acc. 9501 (1)

Mouth Napa River, Napa Co, Calif.

Skin 13285 ♀ Nyroca valisineria

Shot by Jack Anderson in Jan 1958 ~~during duck season of 1947-1948~~. Brought in by Bobby Larsen of Calif. Fish + Game. A partial albino.

April 17, 1958

acc 9502 (1)

½ mi E Pt. Reyes Lighthouse, Marin Co, Calif.

13286 ♂ Zalophus 793-85-145-20 wt. 18.0 lb

Coll. by Mike Marsh on April 13. 1958

Found dead on beach - fresh and just born.

W.C. Russell M.V.Z., Berkeley, Calif.

April 17 1958

Made another overnight trip to Marin Co to look for moles. The ground is now beginning to dry out after a very heavy two months' rain. Went in afternoon, which proves to be the best time of day for looking for places to set mole traps. On a sunny day all mounds have dried out and when the moles start their afternoon foraging around 4 P.M. the fresh working are easy to spot. In the morning it is sometimes difficult to tell just which are the freshest mounds, made ~~the~~ last during the night.

In late afternoon found the moles working, in fact saw 4 working in 1 field. Dug 2 out with a shovel — missed 2. And set a live trap ~~so~~ where ~~ex~~ I was working. Set out 8 spear traps also. When the mole is digging its burrow, earth worms in the immediate vicinity come to the surface and escape overland. They really pop out with an air of frenzy.

W.C. Russell M.V.Z. Berkeley, Calif.

April 17, 1958

3 mi. S Tomales, Marin Co, Calif.

skel. only 13284	♀	Scapanus l.	had had young. in small mounds	dug out alive	died Ap 22. 1958 190-38-22 75.4g.

April 18, 1958

				4 emb. x 10 mm	
skull only 13288	♀	Scapanus l.	in small. mounds	170-30-21	90.7g
skull only 13289	♀	Scapanus l.	Killed June 5 dug out alive	173-34-20	101.2g
skull only 13290	♀	"	shallow runs + handsize mounds tubes minuit long series of mounds	175-37-20	79.4g. 88.7g.
skull only 13291	♀	"	tubes slight enlarged - bit of blood small mounds	188-35-22	98.0g.
skull only 13292	♀	"	tubes slight enlarged small mounds	bit of blood 173-32-20	81.2g.

April 14 1958

Coral Holland

skeleton only 13293		Scapanus		

May 21 1958

acc 9515 (14) rec, 5 lost 5 discarded

San Diego Zoo

skin 13293	?	Tockus erythrorhynchus		
skin 13294	♀	Lophophaps plumifera		
skeleton 13295	♂	"	"	
skeleton 13296	♂	Platycercus adscitus palliceps		
skeleton? 13297	?	alectura lathami		
skeleton? 13298	?	Halietor melanoleucus		
skeleton 13299	♂	Kittacincla malabaricus		
skeleton? 13300	?	Sula sula		
~~13301~~		~~Phocaena brucei~~		
~~13302~~		~~Colobus polykomos kikuyensis~~		

This shipment in first condition

skeleton? 13303	?	Ramphocelus carbo.		

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W. C. Russell

June 1958

Shasta, Modoc
counties, Calif.

Catalogue
#13305-13333
Journal

7 mi. N Bussey, 4200 ft, Shasta Co, Calif.

June 6 1958

13304 ♂ Sorex 100-35-11-6 wt. 6.6g.

June 7 1958

10 mi. N Canby, Modoc Co, Calif.

13305 ♀ Scapanus L. (tubes minute) 165-31-20 62.9g.

13306 ♂ " " 175-39-21 68.5g

13307 ♀ Thomomys (tubes enlarged, considerable blood) 187-55-24-4 90.0g

June 8 1958

13308 ♂ Thomomys 230-70-29-5 165.0g.

13309 ♂ Empidonax griseus testis 9mm 13.1g.

13310 ♂ Western Tanager testis 10mm 28.2g

13311 ♂ Horned Owl testis 3mm 864.6g.

13312 ♂ Creeper testis 7mm 7.3g.

13313 ♂ Sciurus 567-290-75-36 921.2g

13314 ♀ Calliope Hummer old Brood Patch. 2.5g.

June 9 1958

13315 ♂ Scapanus L. testis 3mm 188-40-23 80.3g.

13316 ♂ Pigmy Owl testis 5mm 62.3g

13317 ♂ " " " 5mm 62.7g.

13318 ♂ Hairy Woodpecker Brood Patch testis 4mm 74.6g.

13319 ♂ Red-naped Sapsucker testis not same size or oval testis 7mm 52.0g.

13320 ♂ Stellar Jay. testis 7mm 124.9g

13321 ♂ Scapanus L. testis 3mm 172-36-20 76.0g.

June 10 1958

13322 ♀ Eutamias nursing 245-160-35-21 99.6g

13323 ♂ Pigmy Owl testis 4mm 60.2g

13324 ♂ Wright Flycatcher " 7.mm 11.1g

13325 ♂ " " " 6.0 mm 10.9g.

10 mi. W Canby, Modoc Co, Calif.

June 10 1958.

13326	♂	Solitary Vireo	testis 5mm	15.0g.
13327	♂	Chipping Sparrow	testis 6mm	11.4g.
13328	♂	Audubon Warbler	" 6mm	11.7g.
13329	♀	Horned Owl		1112.0 g.
13330	♀	Neotoma	3cm b x 1mm (sac 10mm) 427-210-40-31	295.0g.

7 mi. W Burney, 4300 ft., Shasta Co, Calif.

June 11

13331	♂	Cleithrionomys gapperi	testis 10mm 132-32-18-11	25.9g.

June 12

13332	♂	Hammond Flycatcher	testis 5mm	10.5g.

3.5 mi. W Burney, Shasta Co, Calif.

13333	♀	Screech Owl.	ova small	wt. 177.0g.

W.C. Russell

June 6 1958

Left Bsbk. at 12:15 P.M. accompanied by Ned Johnson & Jim Anderson, for Modoc Co. Arrived in Redding at 5 P.M. had dinner and drove E to the vicinity of Hatchet Summit 4300 ft -70 mi. N Burney where we camped for night. at 4200 ft. I did a lot of calling for Flammulated Screech Owls in a good stand of Red Cedar, Sugar Pine, Yellow Pine & Doug. Fir. Night over cast-dark & calm. Never got a peep out of an owl. Rained during the night. Turned over some boards, in a meadow along side of highway, and caught a Shrew with my hands.

Have another mole trap - this makes about the 7th trap I have tried for capturing alive. The principle of this trap is a rat trap closed the door on the front end of a fruit can. Set 3 of these traps in meadow.

June 7 1958.

No workings around the mole traps. Drove on to Canby where we talked with Forest Service people. They told us of Cottonwood Flat Camp Ground some 10 mi. N of Canby and this is

W. C. Russell 10 mi. N Canby, Modoc Co, Calif.

June 7 1958

where we are now camped. Here it is a ~~straight~~ pure stand of yellow Pine. A few large 200 Ft tree but mostly second growth & little stuff. This whole area has been Logged. In the imediate vicinity of this campground there are cottonwoods bordering a small stream. On way in here, at McKay Flat we saw 6 Antelope.

Set out my 3 live mole traps in meadow at camp in afternoon. By 6:30 P.M. two were opening & I had 2 moles. This a promising start for this trap. One finds very few mounds here - mostly shallow runs. Have been showers rain & ground is still damp.

Did some calling for Flammulated Screech Owls after dark and finally got one to answer. It was lower than 10' above ground in a very dense stand of young yellow pines. Never could get an eye shine & it finally flew.

June 8 1957

While getting breakfast a horned owl called near camp. Leaving the coffee water to shift for itself - I took out after this boy. Took me 20 min to finally locate it.

W.C. Russell 10 mi W Canby, Modoc Co, Calif.

June 8 1958.

This is a adriuse owl - very very dark and also small. His stomach contents were as interesting as his exterior. Stomach contained 1 complete Neotoma and 1 nearly complete Flammulated Owl. The stomach of the Flammulated Owl was intact and was full of insect material.

In late afternoon shot the Gray Squirrel, Sciurus griseus from a pine right in camp. The only one seen so far. Thomomys are really plentiful here - the meadow is losing an appreciable amount of grass just from being covered with their mounds. Am impressed, not with what we have seen, but what we have not seen. Heard one Stellar Jay & have not seen a one. All the woodpeckers are scarce in fact haven't seen a single Flicker. Also haven't seen a Chipmunk or Golden-mantle ground squirrel.

Took 1 Grey Flycatcher on low ridge E of camp. Here there were some dyseniday in the pine timber and around the openings there were a few large Junipers. It was some 20 ft up in a Juniper.

W.C. Rossell 10 mi. N Canby, Modoc Co, Calif.

June 8 1958

No moles to-day they just didn't work at the traps. Moved one trap to new site and then of course a mole worked at spot where trap was taken from. Moles are really wide spread in this area but practically never make mounds, just runs. Called for Flammulated Owls from 9 P.M. till mid-night. 4 answered but their heart & soul wasn't in the calling. They would give a few notes & quit. Night dark, no moon, some overcast. Also called for Spotted Owls but no answer.

June 9 1958

Took another mole this A.M. & one in late afternoon. Now this makes 4 times these traps have sprung & they have caught 4 live moles. I finally have a good trap. It rained last half of night and on into this A.M. - not hard but quite steadily during the night. From 7-10 no rain & Pygmy Owls were really calling. Shot at 4 and lost 1/2 of them. Maybe this is a good time to get them to talk - after a rain. Moles still active at usual time even though ground was not down some. I thought maybe they wouldn't work as much.

W.A. Russell 10 mi. W Canby, Modoc Co, Calif.

June 9 1958

Hunted owls between 10 P.M. & midnight. Had 2 Flammulated Owls answer my calls and Ned Johnson shot one of them. He was thrilled as this was his first experience with this bird. The second owl flew before Jim could get a shot off. It was a beautiful dark, quiet night. This general area has more miles of perfect Flammulated habitat than any place I have seen.

June 10 1958

Had 2 more Pygmy owls answer my calls this A.M. took 1 of them from a juniper. The owl being only 20' above ground. He answered my calls when I was 200 yds. away. Had a momentary glimpse of a coyote on hill S of Cedar Spring. Flycatcher #13324 was taken from top of Cedar some 50' above ground. Heavy thunder shower in afternoon and wondered what the Owls would do on a wet overcast night. However the stars came out and away we went. Jim, Ned & I walked for 2 hrs. - 10 P.M. till mid-night. We heard 2 Flammulated & 3 Horned owls. Called up a Flammulated Owl for Jim to shoot - his first one.

xx C. Russell 10 mi. W Canby, Modoc Co, Calif.

June 10 1958

I called up a Horned Owl and took him myself. Though the foliage was wet from afternoon rains, the owls talked pretty good. One mole trap had been entered but door hung up on a rock. So far this is 4 moles for 5 Spring traps. Mighty good average Scrappy trap.

June 11 1958

No mole activity at traps last night too much rain yesterday I guess. Broke camp this A.M. and drove to Burney and made camp just a stones throw N of Hatchet Summit. This is 7 mi. W Burney, 4300 ft. Talked with the Highway maintaince man who lives at Hatchet summit. I gave calls of Spotted & Flammulated Owls & he claimed he has heard both of them here. However it is now raining merrily at 9 P.M. so there is no owl hunting to-night.

Scouted around for mole works and finally managed to get the 3 live traps set. Not very hopeful as there has been so much rain one can't tell which are fresh workings. Besides with all the rain they don't work as much.

The Horned Owl had a Peromyscus maniculatus and a Perognathus parvus in Stomach. These

N.C. Russell 7 mi. N Burney, 4300 ft, Shasta Co, Calif.

June 11 1958

animals had been swallowed complete - no tears in either mouse.

June 12, 1958

Stayed in camp to-day - worked on my talk to be given at Mammal meeting next week. The Clethrionomys ± 13331 was caught by hand when I tore open a rotten log. This log was 14" diam. The animal had a nest and ran through the rotten wood like a Microtus trail through thick grass.

June 13 1958

Broke camp at 7 A.M. and arrived in Berk. around 1 P.M.

3

W. C. Russell

June 1958 – May 1959

July 1960

Misc. Catalogue

13334 – 13704

W.C. Russell M.V.Z., Berkeley, Alameda Co, Calif.

June 30 1958
acc 9524 (4)

"Island", old Owens River Bed, 4 mi.
N Lone Pine, Inyo Co, Calif.
Coll. H.W. Gates - no collecting date.
Rec. as mutilated dried skins just as
they were roughly peeled from the birds.

13334 ♂ Lophortyx
13335 ♂ "
13336 ♂ "
13337 ♂ "

July 17 1958
acc 9536 12 spec. rec.; 2 Discard

San Diego Zoo.

Skel. 13338 ♂ Kakatoe sanguinea
Skel. 13339 ♀ Columba leucocephala
Skel. 13340 ♂ Lupicola rupicola
Skel. 13341 ♀ Dacelo novaguineae
Skel. 13342 ♂ Psephotus chrysopterygius
Skel 13343 ♂ Falco cenchroides ?
Skin + Skel. 13344 ♀ Setonix brachyurus 755-285-110-42
Skeleton only 13345 ♀ Oedipomidas oedipus 575-359-60-23
Skin + Skel. 13346 ♂ Ratufa bicolor 669-342-80-27
Skin 13347 ? Pygoscelis adeliae ?

Micke Grove Zool. Garden, Lodi.

acc 9551 rec Sept 5, 1958

Skin+Skull 13348	♂	Cebus apella	807-457-112-27
Skull only 13349	♂	Cebus "	561-311-88-26
Skin+Skull 13350	♀	Cebus albifrons	768-406-117-26
Skel.+Skin 13351	♀	Hylobates	475-0-145-35
Skel. only 13352	♀	Ateles	1142-749+58-25
Skel. only 13353	♀	Cudocimus	

5 mammals + 3 birds rec. from Ronald Reuther. A white Ibis & a Macaw were discarded.

San Diego Zoo

~~rec~~ Sept 8 1958

acc 9553

13 spec. rec.

~~5~~ discarded

Skel. only 13354	?	Rhamphastos s. brevicarinatus	
Skin 13355	?	" "	
Skel. only 13356	♂	Domicella	
Skel. only 13357	♂	Gennaeus	
Skin 13358	♀	Neophema bourkei	
Skel. only 13359	?	Creopsis n. hollandiae	
Skel. only 13360	?	Leptoptilos javanicus	
13361	♀	Ptilorhynchus violaceus	205.0 g.

Oct 6 1958

acc 9564

U.C. Campus, Berkeley, Alameda Co, Calif

13362 ♀ Vermivora peregrina wt. 9.6g.

Rec. from Paul Hurd in Entomology.
Bird flew against window of Ag. Hall.

Oct 13 1958

acc.

Paradise (w) Butte Co, Calif.

13363 ♂ Odocoileus hog dressed 1530-175-450-180 wt. 120 lbs.

Rec. for Calif. Fish & Game
Albino deer. Weight 120 lbs, gutted. No heart lungs or liver. Rec. as frozen carcass.

Oct 16 1958

acc 9571 (8 rec. - 2 discarded)

San Diego Zoo

Skull Only 13364 ♂ Colobus polykomos 1275-660-199-37

Skeleton only 13365 ♂ Ailurus fulgens 915-381-104-67

Skel. only 13366 ♂ Steganoplura bickenouii

Skin 13367 ♂ Colinus ridgwayi

Skin 13368 ♀ " "

Skin 13369 ♂ Geopelia cuneata

Oct 28 1958 acc. 9578 (1)

Wolfe Lake, near La Glace, Alberta

Skel. Only 13370? buccinator

Rec as roughed out carcass from Lon

Nov 12 1958

acc. 9586 (1)

skeleton
13371 ♀ Off coast Southern Calif; near Marineland

Delphinus wt. 103 lbs.

measurements:

Total length - notch in flukes to tip lower jaw	1710
Circumference behind insertion flippers	800
Ht. of dorsal fin (post. base to tip)	175
Length of dorsal fin (ant. base to tip)	295
Length of base of dorsal fin	265
Length of fin (ant. insertion to tip)	290
Curvilinear length of dorsal fin (ant. insertion to tip	318
Ht. of dorsal fin (vertical from tip to back)	165
Length from tip of rostrum to ant. insertion of flipper	435
Depth of body from ant insertion of dorsal fin	295
Length of mandible (tip to ∠ of mouth	260
Eye slit	22
Breadth of flukes	350

Animal caught about ~~Sept~~ 8 1958 died Nov 12 1958

M.C. Rossell M.V.Z., Berkeley, Calif.

Nov 17 1958

acc. 9589 (2)

4 mi ± SE Jamesburg, Monterey Co, Calif.

part Skin + Skull ♀ 13372 Sus coll. Nov. 6, 1958. no measurements

+ foot bones ♂ 13373 Sus coll. Nov 12 1958 wt. 220½ lbs. 1613-279-280-145

Rec. from John Davis, Hasting Reservation.

Dec 1 1958

acc 9595 (6)

10 spec. rec. 3 dis Carded.

The Bullfinch was last - if rec.

San Diego Zoo

Skeleton only ♂ 13374 Crossoptilon auritum

Skin ? 13375 Phalcoboenus albogularis

Skeleton only ♀ 13376 Haliaeetus leucogaster

Skel. only ? 13377 Ajaia ajaia

Skel. only ♂ 13378 Fregata minor

Skel. only ♂ 13379 Psophia viridis

Skel. only ? 13379A Psarocolius decumanus

Dec 2 1958

acc. (1)

Dutch Flat, Placer Co., Calif.

♂ 13380 Otis asio (very thin) wt. 94.5g.

Found dead by Robert Randolph, 726 Avila Place, El Cerrito, Calif.

W.C. Russell M.V.Z., Berkeley, Calif.

Dec 9 1958

acc 9598 (4)

Region of Madaya, Marao City, Lanao, Philippine Is.

Skel. + Skin 13381	♀	Urogale everetti	356-150-52-18	185.4g.
Skin + Skel. 13382	♀	" "	345-130-50-16	164.0g
Skin + Skel 13383	♂	" "	337-148-48-17	166.2g.
Skin + Skel. 13384	♀	" "	330-132-46-18	180.8g.

Coll. by Mrs. Lois Mednik during late 1957 & early 1958. Taken mostly between 4000-6000 ft. Rec. from Dr. Asling, Dept. of Anatomy. These animals have been kept alive and died in late 1958

Dec 17 1958

acc 9623 (4)

Apache Canyon, 4000 ft., Northwestern Ventura Co., Calif.

13385	♀	Oreortyx picta	coll. Dec 15 1958	235.2g.
13386	♀	" "	" " " "	255.2g.
13387	♂	" "	" " " "	241.2g.
13388	♂	" "	" " " "	259.5g.
13388A	♂	" "		224.5g.
13388B	♀	" "		213.0g.

These last 2 specimens to be used by A.S. Leopold in an exchange deal with Colorado Fish & Game Comm. Above specimens coll by A.S. Leopold on a quail hunt with Ike McMillian

W.C. Russell M.V.Z., Berkeley, Calif.

Jan 8 1959

acc 9605 (10) 11 spec. rec. 1 discarded.

San Diego Zoo.

Skin 13389	?	Alopochen aegyptiacus
Skel. Only 13390	?	Apteronodytes forsteri
Skel. Only 13391	?	Balaeniceps rex
Skin 13392	?	Pithecophaga jefferyi
Skel. Only 13393	♂	Grus grus lilfordi
Skin. 13394	?	Gypa fulvus
Skel. Only 13395		Chrysolophus pictus
Skel. Only 13396	?	Psophian viridis
13397	♀	Kakatoe leadbeateri
13398	♂	Tochus erythrorhynchus

Rec. as frozen carcasses. Most of them have been gutted so thoroughly there is no chance to sex them.

W. C. Russell M.V.Z., Berkeley, Calif.

Jan 16 1959

Drove to Marin Co this morning to resume trapping for moles. Am now armed with my 6th version of a live trap for this animal. This trap was tried out on a short trip to Modoc Co in June 1958 and was quite ~~succ~~ successful. Now have high hopes of being able to get live moles in some quantity. The trapping area is along the highway some ½ mi. E to ½ mi. W of Tomales. Made 14 sets between 8 AM & noon. In late afternoon checked traps & took 2 moles — 1 alive & 1 killed in trap. Made 2 more sets with these traps.

2 mi. W Tomales, Marin Co, Calif.

Skull only 13399 ♀ Scapanus — in small mounds. tubes enlarged pregnant? ovaries pickled 165-30-19 —

Skull only 13400 ♀ " tubes not enlarged. large mounds. died Jan 22 wt. 54.0g. 184-38-20 72.2g.

Jan 17 1959

Skull Only 13401 ♀ Scapanus small mounds. tubes enlarged, pregnant? ovaries pickled 172-32-20 wt. 76.0g.

Skull only 13402 ♀ " very small mounds. tubes slightly enlarged ovaries pickled 184-35-21 " 87.2g.

Skull only 13403 ♀ " tubes slight enlarged. large mounds 165-26-20 died Jan 22. wt. 49.0g. " 71.8g.

Skull only 13404 ♀ " 4 mounds. had 4 yg on finte of Feb 18-19 yg died Mar 4. on Feb 15 wt. 93.0g. " 80.8g.

Skull only 13405 ♀ " large mounds. 180-35-21 no young. Killed Mar 18 wt. 60.5g. " 80.8g.

From a total of 16 sets the following results were.

1 sprung by cows.

8 sets visited by moles

7 moles taken - 4 alive & 3 killed by trap

W.C. Russell M.V.Z., Berkeley, Calif.

Jan 17 1959

Having 3 killed out of 7 taken doesn't look too good for a live trap. However will not pack the dirt so tightly in trap next time. This may allow mole to get in farther before it springs.

This was a very dry year. No rain at all up to 1st. of year. Now have had a good storm 1st part of Jan. & soil conditions are perfect for trapping. Very little sign of mole activity in fields where they were active last spring. I suspect the presence of many moles is an indication of pregnancy. Since they are beginning to breed more mounds should appear from now on.

Jan 21 1959

Returned to trapping area to try for more moles and made a total of 14 sets all in areas of mounds.

Jan 22 1959

Well the roof fell in this time as traps didn't work worth a darn. Took only 1 live mole while 5 had worked around the traps.

skull only
13406 ♀ Scapanus alive didn't have any young. kept long enough. 182-37-22 74.5g.

W.C. Russell M.V.Z., Berkeley, Calif.

Jan 30 1959

Dan Wilhoft & I returned to Marine Co to try again for live moles. This time tried setting the traps by placing a single trap at st. 2 to the main run or on the short side shoot coming off the main run to a mound. Placed a quantity of earth worms in each trap.

Jan 31 1959

Chilly night - frost this A.M. Will things have gone from bad to worse. Out of 20 sets 14 had moles work & go under the trap. One mole went in & was killed. Of course this was a pregnant ♀. Just what we are after! Something is very wrong. Tried on early trials the moles readily entered. Did a bit of doubling up again on sets, one trap each way in a main line, and set trap a bit below entrance to burrow to try and forestall their digging under. Also left out the earth worms.

Feb 1 1959

Same story again - the moles now fail to go in the traps. It seems that at this season there simply is a change in behavior. Out of 16 sets - 9 missed, ~~caught~~ took 2 alive & 1 dead & 3 not worked.

WC Russell MVZ, Berkeley, Calif.

Feb 1 1959

3 mi. W Tomales, Marin Co, Calif.

Skull only 13407	♀	Scapanus	2 emb x very small	coll. Jan 31 1959	176-30-19	98.8g.
Skull only 13408	♂	"	good run	coll Jan 31 1959	199-38-22	100g.
13409	♂	"	alive		174-35-21	72.5g
Skull only 13410	♀		alive	♀ Killed Mar 18 1959 wt. 82.3g. fat.	180-30-22	67.5g

Thought there might be a possibility the moles were smelling ones that had been in traps previously so took 15 of the traps to a milk processing plant and steam cleaned them. Reset these traps on Swan's Ranch where there is an abundance of workings. Slept in truck in the field.

Skull 13411	♀	Scapanus	4 emb x very small	small mounds.	193-35-21	—
Skull 13412	♀	"	5 emb x 4 mm	mounds	192-35-21	—
			coll. Jan 31 1959			

Feb 2 1959

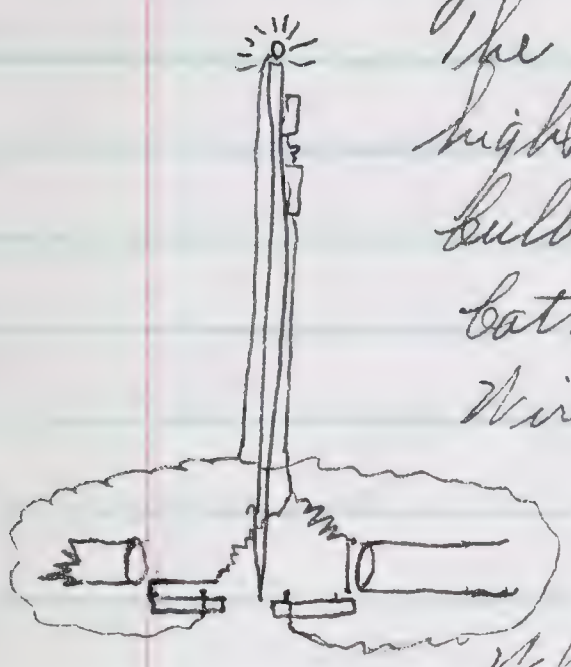
Traps still do not work. From 18 sets had 11 misses & 7 no works.

Feb. 5, 1959

Since the traps have failed to take ♂'s in efficient numbers I'm gearing for ideas to get more of them and last I decided to try to dig them out but with the aid of a gadget to tell me when they were working. Decided to have a light go on when they were working, then sneak up and dig them out with a shovel.

W.C. Russell M.V.S., Berkeley, Calif.

Feb 5 1959



The gadget consists of a stake 4' high with a pencil flashlight bulb mounted on top and 2 batteries on side of stake. Wires lead to two small boards with a treadle set verticle next to opened burrow. When mole works treadle drops back and completed the circuit by striking a nail driven through the board. It is amazing how far one can see a tiny flashlight bulb on a dark night. At least ½ mile I would say. I made up a dozen of these signals and returned to Swan ranch in Marin Co to try them out. Started at dusk to set them and in no time at all was very busy answering the lights. As usual an unforseen developed to frustrate the idea. The moles would plug the open burrow, turn on the light and then stop working. At least they didn't work any after I arrived on the scene. I did manage to dig out one mole found working before dark.

W.C. Russell MVZ., Berkeley, Calif.

Feb. 5, 1959

3 mi. W Tomales, Marin Co. Calif

13413 ♀ Scapanus alive no young. kept in captivity 177-35-21 wt. 75.7g.

Though I didn't get any moles with the aid of the lights I did get some idea of periods of activity. From past observations it appears that they start to work around 4 P.M. and with aid of light found they worked till 8 P.M. Stayed up till mid-night but no lights came after 8 P.M. Hit sleeping bag at mid-night & got up at 5 A.M. expecting to find either lights on or batteries run down. But no — no light had come on and didn't till 6 A.M. Here again, ~~getting~~ ~~again~~ daylight I have seen the past that they work up till 8-9 A.M. Very little working done between 10 A.M. & 4 P.M.

Feb. 19, 1959

At 8 A.M. found that #13404 had 4 young in the nest. She weighed 80.0 g. when caught on Jan 17 & still weighed 80.0 g on Feb 10. However on Feb 15 She weighed 93.0 g. From Jan 17 - Feb 19 = 34 days.

Feb 24 1959

Looked at young at 10 P.M. - nest was scattered some and young beneath the nest material. Some one had been

W. C. Russell M.V.Z., Berkeley, Calif.

Feb 24 1959

running the power saw in the same room as the cages and looked as though the moles had been disturbed. Am feeding this ♀ angle worms and meal worms, all alive. The other moles I'm feeding frozen meal worms, frozen hamburger & live new born rats.

Feb. 25, 1959

The young moles survived the disturbance of the saw running and appear in good shape. The pinkish skin had darkened somewhat now with a slight grayish wash especially on the back. The ♀ spends part of her time in the nest material but away from the young. Have found the young in one cup and a separate depression where she had been. Other times she seems to just tramp across all the nest material with the young buried in dry grass below. Since they were born sometime during night of Feb 18-19 I am arbitrarily setting the time at mid-night for purposes of aging them. So on this basis at mid-night Feb 26 they will be 7 days old.

W.C. Russell M.V.Z, Berkeley, Calif.

Feb 26, 1959

Went back to Swan's Ranch N of Tomales, arriving at 3:30 P.M. There has been several days of clear weather following the rains. The moles were working when I arrived with plenty of activity up till dark when I stopped watching. Went after them with shovel but had bad luck. Dug out 3, 2 of which were killed. One of the dead ones was a ♀ with 3 embs x 20 m.m. The 1 taken alive is a ♂. Then tried opening a fresh mound, noting the direction of the burrow and waiting for them to return and plug the burrow. On a fresh mound they'll return to plug the opening within 10-15 min. Tried several times to cut the burrow behind them but somehow managed to miss even when the shovel went in 12" from opening. They seem to be pushing quite a column of dirt ahead of them as they plug the opening.

Set two live traps with the same results - dirt pushed into trap but no mole.

3 mi. N Tomales, Marin Co, Calif.

13414	♂	Scapanus		alive	given away May 13. still alive	101.0g.
13415	♂	"	skull only		?-35-22	95.0g.
13416	♀	"	skull only	3 embs x 20 mm	?-30-21	± 82.6g.

W.C. Russell M.V.Z., Berkeley, Calif.

Feb 27 1959.

Weighed the litter of young moles at 8 A.M.
Total litter wt. 46.1g.
Largest yg. " 13.4g.
Smallest yg. " 9.2g.
average wt. 11.5g.

Feb 28 1959

3 mi. W Tomales, Marin Co. Calif. died Mar 5 wt. 50.0g.

Skull only
13419 ♀ Scapanus alive had 3 yg. 177-32-21 noon Mar 3. yg. died wt. Mar 4 56.3g. 77.7g.
destroyed!!
~~13418~~ ♀ " alive no young - fed to Badger Ap 30 1959 82.2g.

Feb 28 1959

Sat. after lunch Jerry & I went to Swanè Ranch, Marin Co. & try to dig out some moles. Arrived at 3:30 P.M. & by then they had stated to work. The method employed this time as follows. Find a new fresh made mound and open it up. With aid 5/8" steel wire probe and follow the run back for some 18" from the opening. Then place a straw just in the open entrance. When straw moves, by mole pushing dirt to close opening, cut across run some 18" back and behind animal. I managed to get two ♀s this way. Jerry didn't use probing method and as result missed 2 moles when they worked. Upon returning to Berk at 8:30 P.M. found

W.C. Russell M.V.Z., Berkeley, Calif.

Mar 1 1959

Young Scapanus litter of 4 born night Feb 18-19 died night of Mar 1 1959

13419	♂	Scapanus	saved as skin+skull	87-15-12	wt. 12.3g.
13420	♀	"	saved as skin+skull	87-14-11	" 10.8g.
13421	♀	"	saved as pickled	90-15-11	" 11.4g.
13422	♀	"	" " "	——	" 9.0g.

the litter of young mole not looking at all well. They are getting thin and in fact the runt of litter was dead. Next day Mar 1 they obviously are not getting fed so started to feed with eye dropper. However during night of Mar. 1 they all died.

Mar 3, 1959

Upon arriving at work at 7:30 A.M. one of the ♀'s taken Feb 28, with a shovel, did not act right. She looked as though she was going to die. I offered live meal worms and H2O and she very weakly took both. This went on from 8-11:30 A.M. and then she seemed a bit stronger. At 11:45 A.M. I looked in cage and there was one young one and she was busy eating the sack. By noon she had 2 more. At 4 P.M. looked and 2 were dead. Removed the live one and gave it to a white rat that had just had young.

W. C. Russell M.V.Z., Berkeley, Calif

Mar 2 1959

acc 9627 (2)

Aviary at Walnut Creek.

Skin
13423 ♀ Lophophorus impejanus died Mar 1. 1959 wt. 4½ lbs.
Skel. only
13424 ♂ " " died Feb 28 1959 wt. 5.0 lbs.

Rec. in flesh from J. N. Steinbeck

Mar 4 1959

acc 9628 (6) rec Mar 4

San Diego Zoo.

Skin + skel.
13425 ♂ Hyena (Crocuta crocuta) 1430-247-215-102
Skin + skel.
13426 ♂ Felis uncia 1845-842-230-70
Skel. only
13427 ? Porphyrio melanotus
Skin
13428 ♀ Cudytula minor
Skin
13429 ♂♀ Tribonyx mortieri
Skin + skel.
13430 ♂ Hylobates lar pileatus 457-0-133-30 —

Rec. as frozen carcasses.

Mar 6 1959

Removed 1 egg from litter of #13410 and gave it to a white rat. She seemed to accept it as she thoroughly washed the little fellow. However some 4 hrs. later when I looked it was gone - eaten I guess.

Mar 7 1959.

One of the 2 left in litter from 13410 disappeared during nite. No sign in nest. Guess the mold ate it. 1 left in litter now. Last one disappeared Mar 9 1959.

WC Russell MVZ, Berkeley, Calif.

Mar 18 1959

Killed ♀ mole #13410 this morning and saved her tubes in Bouin's. These are tubes to show their appearance 14 days after birth. This mole caught Feb 1 weighed 67.5g. Her wt. started going up. Feb 11 - 92.0g. - Feb 22 83.7g. — Feb 26 88.4 — Feb 27 93.5g. — Mar 1 99.5g. Gave birth night Mar 3-4 to 3 young. Weighed 82.3g when killed Mar 18 1959, and had considerable fat. More fat than they have in the wild. Vagina closed

Killed #13405 Mar 18 1959. wt. 60.5g. It was collected with trap Jan 17 1959 & weighed 80.8g. It was with a ♂ from Feb 27 to Mar 7. Tubes pickled. They still had some blood around them. Now suspect she had had young when taken. The vagina was open.

Mar 24 1959

not acc. for class

Swan Lake Wild Life Area, Missouri

13431 ♀ Blue-winged Teal

Caught in wild about Oct 10 1958 by M. Milowski.

W.C. Russell W.Z., Berkeley, Calif.

Mar 27 1959

acc.

5 mi. N Piedra Blanca, 5000 ft, Sierra del Carmen, Coahuila

13432 ♀ Conepatus 552-228-50-22 wt. 6.0 lbs.

This is "Ramona", collected as a tiny young, eyes not open, on Apr. 24 1958. Specimen # 13632 WCR is a sister from same litter. Ramona was a member of the Russell family for almost 6 years. She was excessively fat! Note the difference in shape between this skull & the skull of a wild caught Conepatus.

April 8. 1959

acc 9650 (10 rec. - 1 discarded)

San Diego Zoo.

Skull only 13433	♀	Macaca sylvana	508-0-155-35 wt. 44½ lbs
Skel. Only 13434	♂	Lasiorhinus l. latifrons	782- -100-90 gutted
Skel. Only 13435	♀	Oedipomidas oedipus	616-387-70-16 —
Skin+Skull 13436	♀	" "	592-372-70-18 —
Skel. Only 13437	♀	Tribonyx mortieri	
Skin 13438	?	Kakatoe leadbeateri	tail verl. measured after skinning 145 mm. 34 mm of tail exposed before skinning.
Skel. only 13439	♀	Struthidea cinerea	
Skel. Only 13440	?	Psophia v. obscura	
Skin 13441	♀	~~Abrandsone~~ Psittacula e. nipalensis	

April 30 1959

acc 9659 (1)

Poultry Farm, Strawberry Canyon, Berkeley
Alameda Co, Calif.

skin+skel. ♂
13442 Felis pardalis 890-362-113-53 wt. 8¼ lb.
↑
minus nail.

Taken in chicken pen at Poultry Farm on April 21 1959 by Robert Orouye.
The night before, Ap 21, this animal killed 15 adult White Leghorn chickens at the poultry farm. I set 4 small steel traps & hung dead hens over the traps. Was under impression this was work of a weasel as all ~~xxxx~~ birds were bitten in back of head or at throat and none eaten. We found out later it had escaped a week previously from near Marin & Colusa Aves, Berkeley.
All toe nails had been removed and feet didn't show a bit of evidence as to how this was done.
The animal returned a second night and the superintendent Mr. Orouye found it eating on a dead chicken - It was not in trap. He killed it with a 22 rifle.

W.C. Russell M.V.Z., Berkeley, Calif.

April 28 1959

not acc.

Keeler Ave, Berkeley Hills, Berkeley Alameda Co.

Skel. Only
13443 ♀ Scapanus (tubes minuit) 170-35-20 wt. 53.0g.

Check skel. to see if its a young of year.
Caught by dog, presumably on surface,
This sounds like the actions of a young
one. ~~Take M~~

May 6 1959

not. acc

Skull Only
13444 ♂ Scapanus Queens Road, Berkeley, Alameda Co, Calif.
teeth 2mm 171-32-20 wt. 71.8g.

Taken by Frank Pitelka in his lawn.
Was making shallow runs in lawn
when I saw its workings. Looks like
young of year. Probably was young seeking
new territory.

April 30 1959 acc 9662 1 Discard 11 rec.

San Diego Zoo

Skin
13445 ♂ Struthidea cinerea

Skin.
13446 ♂ Dacelo novaeguineae

Skel. only
13447 ♀ Nesopelia galapagoensis

Skin.
13448 ♀ Gennaeus edwardsi

Skel. only
13449 ♂ Sericulus aetinus

Skin
13450 ? Hyphantornis cucullatus

Skin
13451 ♂ Psittacula krameri

Skin & skull Newborn tail measured after skinning
13452 ♀ Procavia brucei. 230-20 -42-22
13453 ♀ Lemur mongoz 740 -358-105-35
13454 ♂ Trichosurus vulpecula 750-335-83-61

W.C. Russell M.V.Z., Berkeley, Calif.

May 26 1959
acc 9654 (1)
Piedmont, Alameda Co., Calif.
13455 ♀ Carpodacus mexicanus 18.6g.
Trapped May 12 1959 by Lilian K Henningsen

May 26, 1959
acc 9653 (2)
From Caged Colony maintained at Davis.
13456 ♂ Streptopelia died Ap 15 1959 143.6g.
13457 ♀ " 127.5g.

May 29 1959
acc 9672 (2) 3 rec. 1 discarded
San Diego Zoo
SKIN 13458 Aptenodytes patagonica
SKIN 13459 Hybrid Mallard + Pintail 13 day old wt. 35.6g.

4

W.C. Russell

June 1959 – July 1960

Catalogue

* 13460 - 13626 13704

Journal

Sierra del Nido,

Chihuahua, Mex.

W C Russell

Specimen Catalog

June 14 1959.

18 mi. S Encinillas, Chihuahua, Mex.

13460 ♀ Widgeon

Cañon del Alamo, 7300 ft., Sierra del Nido, Chih., Mex.

13461 ♀ Screech Owl brood patch. 123.3g.

June 15 1959

13462 ♂ Pigmy Owl testis 2mm 50.6g.

13463 ♀ Rufus crowned Sparrow brood Patch. 9.7g.

13464 ♂ Stellar Jay testis 10mm 95.2g.

13465 ♂ Flicker " 10mm 120.5g.

13466 ♂ Screech Owl testis 7mm 100.5g.

June 16 1959

13467 ♀ Hutton Vireo ova small 11.3g

13468 ♂ Black-tail Jackrabbit 575-75-150-148 2½ kilo.

June 17 1959 ~~wt.6~~

13469 ♀ Gray Fox 910-135 135-75 wt. 6½lb.

13470 ♂ Thomomys. 173-55-25-3 49.5

13480 ♂ Turkey testis 12mm 9 lbs.

June 18 1959

13481 ♀ Red-tail Hawk ova small 1040.0g.

13482 ♂ Acorn Woodpecker testis 4mm 91.5g.

13483 ♂ Hummer testis 1mm 8.4

13484 ? Redstart Jr. 8.6g

June 19 1959

13485 ♂ Coyote 1150-360-200-115 28. lb.

13486 ♂ Cuitamia 177-(50)-34-18 64.0g.

13487 ♂ Vulture testis 4mm wt. 2¾ lb.

W.C. Russell — Cañon del Alamo, 7300 ft, Sierra del Nido, Chih, Mex.

June 20, 1959

13488	♂ Trogon	testis 5 mm	63.3 g.
13489	♀ Thrasher	largest ovum 2 mm	77.5 g.

June 21 1959

13490	♂ Means Quail	testis 7 mm	190.0 g.
13491	♂ Hairy woodpecker	testis - 1 mm	58.4 g

June 22

13492	♂ Mourning dove	testis 12 mm	108.3 g
13493	♂ Black headed Grosbeak.		41.0 g.
13494	♂ Rufus-crowned Sparrow	testis 11 mm	20.4 g.
13495	♂ Gray Fox	875-365-125-75	wt. 6 3/4 lb.

June 23

13496	♂ Odocoileus	1390-240-400-150	

June 24

13497	Wildcat	800-145-180-80	wt. 20 lb.

June 25

Skull only 13498	♂ Gray Fox	976-420-145-75	

measurements of total length & tail taken with a string then later measured string. Those two measurements might be off a bit.

13499	♂ Thrasher.	testis 15 mm	81.4 g.
13500	♀ Robin	Brood Patch	76.9 g.
13501	♂ Chipping Sparrow	testis 7 mm	12.2 g.
13502	♀ Flicker	Brood patch	115.5 g

June 26

13503	♀ Mephitis	700-~~386~~ 355 -68-28	

June 27

13504	♂ Wildcat	903-170-185-77	wt. 21 lb.

W. C. Russell 5 mi. N Cerro Sierra Campana, 5600 ft., Chih. Mex.

June 28 1959

13505	Cnemidophorus			
13506	"			
13507	"			
13508	"			
13509	"			
13510	Uta			

June 29 1959

13511	♀ Scott oriole.	ova small		35.0g
13512	♂ " "	testes 8 x m		36.2g
13513	♀ Shrike	juv.		46.2g
13514	♀ Thomomys	no emb.	no measurements!	102.7g.
Skull only 13515	♂ "		no measurements!	129.4g
13516	Spade-foot Toad			

June 30 1959

13517	Thamnophis			
13518	"			
13519	♀ Raven	old Brood Patch		928.0
13520	Sceloporous			
13521	Bufo			

July 1 1959

13522	♀ Baiomys	no emb.	101-38-13-10	7.7g.
13523	♀ Perognathus	no emb	117-47-15-5	7.2g.
13524	♂ Sigmadon		242-105-27-17	98.7 ~~10.0~~g.
13525	♂ Dipodomys ordii		228-123-36-12	44.0g
13526	♀ " "		220-127-35-11	32.0g.
13527	♀ Reithrodontomys	no emb.	165-92-18-13	10.2g
13528	♂ Black Phoebe	testes 5 x m		18.5

W. C. Russell 5 mi N Cerro Campana, 5600 ft., Chih., Mex.

July 1 1959

13529	♀	Scarlet Tanager	Brood Patch	44.2 g.
13530	♀	Black Phoebe	♀♀	24.4 g.

July 2 1959

13531	♂	Thomomys	testis 9 mm	218-65-30-4	114.3
13532	♂	"	testis 6 mm	210-67-29-4	112.3 g
13533	♂	"	testis 9 mm	204-68-27-4	102.0 g
13534	♂	"	testis 15 mm	220-65-27-5	139.0 g
13535	♀	"	no emb.	220-66-29-4	117.7 g.
13536	♂	Sigmadon	testis 13	268-112-29-16	119.7 g.
13537	♂	"	testis 15	243-112-29-14	83.4 g
13538	♀	"	tubes enlarged. no emb.	240-95-26-15	87.5
13539		Bufo			
13540	♂	yellow throat	testis 6 mm		9.0 g.
13541	♂	Screech Owl	testis 4 mm		110.4

July 3 1959

13542	♂	Sigmadon	testis 15 mm	281-115-30-14	141.5
13543	♂	Reithrodontomys	5400 ft.	testis 6 mm 135-67-17-12	8.2 g.
13544	♂	"	5400 ft.	testis 9 mm 160-85-18-13	18.2 g
13545	♂	Perognathus	5600 ft.	190-85-22-10	35.1 g
13546	♀	Onochomys	5600 ft.	152-49-20-16	31.8 g
13547	♀	Dipodomys		246-135-38-11	52.2
13548	♂	Blue Grosbeak	testis 10 mm		28.6
13549		Amphibian	coll July 2. 1959		

5 mi. N Cerro Campana, 5350 ft, Chih. Mex.

July 4 1959

13550	♀	Sigmadon		2 emb x 40 mm 240-95-26-16	115.7
13551	♀	Dipodomys spectabilis		no emb. 340-200-54-46	124.g.
13552	♀	Neotoma		316-135-31-26	173.8
13553	♀	Perognathus hispidus		no emb. 182-90-22-10	29.
13554	♂	"	flavus	105-45-14-5	7.8g.
13555	♀	Onochomys		4 emb x 13 mm 145-46-20-15	31.0g
13556	♂	Scaled Quail		testis 10 mm	190.5g.
13557		"	"	jv.	12.4

July 7 1959

13558	♀	Band-tailed Pigeon		ovum 4 mm	323.0g.
13559	♂	Vermillion Flycatcher		(imm)	14.5g.
13560	♀	Say Phoebe		ova-very small	20.6g.
13561	♂	Rufus-crowned Sparrow		testis 10 mm	19.3g.

July 8 1959

13562		Cnemidophorus			
13563		"			
13564		"			
13565		"			
13566		"			
13567		"			
13568		"			
13569		Garter snake			
13570		Barking frog			
13571	♀	Scaled Quail		5500 ft. egg in duct.	222.0g
13572	♂	"	"	testis 8 mm	180.9g.
13573	♂	"	"	" 9 mm	190.5g.
13574	♂	"	"	" 10 mm	183g
13575	♀	Means Quail		eggs in duct	177.5

5500 ft.

Colonia Santa Clara, 6900 ft, Chih, Mex.

July June 10, 1959

13576	♀	Citellus	150-42-26-6	Wt 32.9
13577	♀	"	212-60-28-8	118.4

Arroyo Mesteños, 7600 ft, Sierra del Nido, Chih-Mex.

July June 10 1959

13578	♀	Cared Trogan	egg ready to lay.	136.9
13579	"	" egg		
13580	♂	Whippoorwill	testis small	47.5 g.

July June 11

13581	♀	Red-faced Warbler	ova small	wt. 9.0.
13581A	♂	Spotted Owl	testis 5 mm	459.0

July June 12

13582	♀	Thomomys	185-52-26-4	85.7 g
13583		Sclosporous		
13584		"		
13585	♀	Thomomys	200-61-26-3	103.0 g.
13586	♀	"	no emb. 208-58-27-4	116.4 g.
13587	♀	"	no emb. 202-60-26-4	88.8 g.
13588	♀	"	no emb. 205-58-27-5	112.9 g.
13589	♀	"	no emb. 220-65-29-4	123.0 g.

July 13

13590	♂	"	212-65-27-4	110.
13591	♂	Horned Owl	testis small	971.0 g
13592	♀	Cottontail	2 emb. x 20 mm 457-60-105-78	1309.0 g

July 14

13593	♂	Turkey	13 3/4 lb.

W.C. Russell Arroyo Mesteño, 7600 ft., Sierra del Nido, Chih, Mex.

July 15 1959

13594 ♂ Cared Trogan } pair testis 8 mm 126.7
13595 ♀ " } laying ovum 14 mm 136.3 g.

July 17 1959

13596 ♂ Martin testis 4 mm 48.2 g
13597 ♂ " " 4 mm 50.0 g.
13598 ♂ Redstart " 2 mm 10.0 g.

July 18 1959

13599 ♂ Black-throated Gray Warbler. testis 1 mm 9.0 g.
13600 ♂ Olive Warbler " 2 mm 9.1 g
13601 ♂ Martini " 3 mm 52.7 g
13602 ♀ Mt. Chickadee imm 10.0 g
13603 ♂ White cared Trogan. testis 7 mm 116.5

July 19

13604 ♀ Citreolus nursing young. 464-200-55-21 775.4

July 20

13605 ♂ Myotis 91-35-9-13 6.7
13606 ♀ Cpteticus ~~Juv~~ 118-50-11-16 16.8
13607 ♂ Poorwill testis 4 mm 97.5

July 21

13608 ♀ ~~Citreolus~~ Sciurus apache 555-280-72-31 825.0
13609 Thamnophis "
13610
13611 Sedoporous

July 22

13612 ♀ Myotis 95-41-8-11 7.5
13613 ♂ Cpteticus 115-50-12-17 18.2
13614 ♂ Pipistrellus 69-28-6-12 3.8

Arroyo Mesteño, 7600 ft., Sierra del Nido, Chih., Mex.

July 22 1957

13615	♂	Reithrodontomys	141-72-16-13	9.5
13616	♂	"	132-64-15-12	9.6
13617		Rana		
13618		"		
13619		"		
13620		"		
13621		"		
13622		"		
13623		"		
13624		"		
13625		"		

July 24

13626	♂	Pigmy Owl.	testis 3mm×1	57.8

W.C. Russell

Enroute to Mexico

June 10 1959

The party for this trip to Mexico consists of the following members. Bill Lidicker, Dave Taylor, George Bryan, Starker Leopold, Allen Miller & myself. We left Bak at 5:45 A.M. in the Chev & International trucks. George Bryan is driving his own car as far as El Paso. We spent 2 hrs at my aunts in Lindsay, leaving there at 2 P.M. arriving in Needles at 9:30 P.M.

June 11 1959

Went by Phoenix and stayed for night in Deming New Mexico.

June 12 1959

Arrived in El Paso around 8 A.M. - had good luck crossing border so we continued on to Chihuahua City arriving around 8 P.M.

June 13 1959

In morning did our last shopping and at 5 P.M. Allen Miller arrived by plane from east coast.

June 14, 1959

Left Chihuahua City & drove N some 60 kilometers where we turned W at the Aduana station on a road that cuts over a low saddle in the Del Nido Mts. Blore turning off the highway some miles N of Chihuahua City we saw 8 or 10 Widgeon on

June 14 1959

a small mud hole of a pond next to the highway. Stark & I surrounded them and each took one when they went up. They were very thin and feathers badly worn. Of course we carried them in truck and they kicked around camp till they were nearly spoiled.

We made camp on W side of mts. in Cañon del Alamo, 7300 ft, Sierra del Nido. The country is very dry - no open water except and occasional stock tank. There is a scattered growth of oak & piñon around camp with large open grassy areas interspersed. The ground is very rocky many areas almost covered solid with rocks 6"-15" in diam. with a bit of soil & dry grass between rocks.

Some clouds at times and looks like it might rain - but doesn't

June 15, 1959

Hunted through oaks and into a barranca to east where there are some pines. Jumped 1 Cowes deer.

Last night stalked 1 Screech Owl at camp & took same. This A.M. stalked 1 Pigmy Owl and took same. Or rather I was talking to it when Alden came along & shot it when it was out of my ~~left~~ line of sight

W.C. Russell

Cañon del Alamo, 7300 ft., Sierra del Nido, Chih., Mexico.

June 15, 1959

The screech owl had been feeding on caterpillars and the pigmy owl had a stomach full adult insect material.

The stock tank, very low now was made by throwing a low earth dam across the meadow. Turkeys, coyotes & deer have watered there so I made 1 steel set of 2 #3 traps near the water. Baited by burying a jack-rabbit carcass some 6' away.

Much sign of gophers, thought boys are having trouble finding fresh workings.

June 16 1959

Hunted E from camp into higher country mostly to get on crest to see what was beyond. Upon reaching crest found gently rolling country covered with heavy stand of tall dry grass with widely scattered large oaks. Very little pine. Spent so much time walking and so little time shooting that I wound up with no specimens.

A coyote, presumably, ate up the rabbit as bait but didn't disturb the traps. Another trap was put in closer to bait and the place restocked with 1 rotten Widgeon. This time bait was staked down.

Cañon del Alamo, 7300 ft, Sierra del Nido, Chih, Mex.

June 16, 1959

Found a place where turkeys are using for dust bathe. Depressions in a dusty area, 8-10 of them some 18" in diam. One fresh old Mearns Quail diggings but so far haven't flushed one.

Late in ~~afternoon~~ after dinner around 7 P.M. I was sitting just looking out over the broad expanse of fields to north when a wild cat walked within 50 yds. of camp on way to water. He gave no indication of seeing camp at all till I moved to get a gun. Then a bit later 3 gobblers ran across open fields some 250 yds. from camp. They had been coming to water when Bill appeared there. So it was like sitting on the front porch and watching the parade of animals.

June 17, 1959

Took a gray fox in steel set at water hole. Started out this A.M. with no particular objective in mind. Climbed up to a very low oak ridge N.E. of camp. It occured to me, since everyone else was hunting to W of camp it might be a good time to try for turkeys. Gave a call on caller and a turkey immediately answered. Worked on him for next ½ hr. He

W.C. Rossell

Cañon del Alamo, 7300 ft, Sierra del Nido, Chih. Mex.

June 17 1959

answering for awhile & then he quit. In mean time I am trying to sit still and flies are really bothersome. Had about given up when he gave a few notes behind me. Luckily I had same back cover and turned around just as he came into view. Only his head showing but that was enough. Very exciting to take a turkey this way.

A typical stunt seems to be for them to circle on coming to the call. One needs eyes in the back of the head.

Made two more steel sets in vicinity of Camps.

June 18 1959

Found a Rufus-crowned Sparrow nest tucked in the base of a clump of grass. It had 2 fresh sparrow eggs & 1 Cowbird egg. Both of these birds are fairly common here.

Turkeys appear to be more plentiful than deer here. At least we see turkeys every day - but it is an occasion when we see a deer. The white-sided Jackrabbit is fairly abundant and they always are seen that time. I assume they are pairs.

W.C. Russell

Cañon del Alamo 7300 ft., Sierra del Nido, Chih, Mex.

June 19, 1959

Took a coyote in steel set at water hole. We had a bit of excitement as Alden started him from the trap site and he took off in high gear with trap and drag. He soon tangled up in some scrub oak before Stark took a shot at him.

June 20 1959

Stark + I went into the main Cañon del Alamo to make some steel sets since he had found a lion track in area yesterday. Alden had spotted 2 spring steel traps, left them we said by the foreman of this ranch. We arrived on the canyon floor trail and lo + behold a lion had traveled the trail last night. We made 4 steel sets in about ½ mile of trail. 3 were baited with canned sardines + , with a coyote carcass. While making the sets we each took a Trogan - 2 different genera. 1 Steel set by water hole was sprung with what looked like body hair of coyote. No explanation.

June 21 1959

This camp is running low on meat so Stark + I were seriously looking for turkeys or deer this A.M. Nada! Stark did see one turkey so the sword still holds for someone

W.C. Russell

Cañon del Alamo, 7300 ft., Sierra del Nido, Chih., Mex.

June 21 1959

of the party seeing turkeys every day. Jumped 2 pair of Mearns quail. Managed to get one. My wing shooting seems to be deteriorating. Found another Rufus-crowned Sparrow's nest. This one beneath a rock, - 3 eggs.

June 23 1959

We are low on meat so hunted deer today. Walked for 5 hours making a big circle from camp and didn't see a thing. Then at noon when back within ¾ mi. of camp found a buck standing in an opening, looking the opposite direction from me. This is not the usual procedure for white tail deer. One generally gets a glimpse of the large white tail as they dash through the thickest cover at hand. Then to add insult to tired feet, a yearling walked right into camp while we were eating lunch.

The lion had been near on of the stub sets, leaving a pile of droppings in trail just 50 ft. beyond the set. These droppings were moved to the set. This cat does very little scratching after depositing droppings, just a couple swipes with a paw.

W.C. Russell

Cañon del Alamo, 7300 ft, Sierra del Nido, Chih, Mex.

June 24 1959

Took a wildcat in a trail set. Found a pile of fresh droppings some 50' before he arrived at trap. Had placed fresh lion droppings beside this trap. This cat had a woodrat and a large ground squirel in stomach. Have switched to scent made with rotten hair on the 4 so called lion sets in canyon. Using carcass is too inviting to vultures. One being caught in set baited with coyote carcass. No sign of lion activity last night. Hope he hasn't moved on.

June 25 1959

It looks like a repeat performance of our experience in the Carmen Mts. several years ago, with lions. Namely, a lion spends several days in the same area and then he moves on. This lion here was in the canyon for about 4 days, judging from tracks & droppings. Now for the last 3 nights there has been no sign at all. It looks now as though we'll never get him as we move in 2 days. Another bit of evidence that points to a rather long time between return trips is the nature of the droppings. All piles of droppings left on this trip were placed on or near obviously old piles.

W.C. Russell

Cañon del Alamo, 7300 ft, Sierra del Nido, Chih. Mex.

June 25, 1959

In other words a new pile was not deposited on a nearly new pile. My contention is that they hang around an area until the catch drops down either from catching the easy prey, or spooking deer for example until they are too hard to catch. So they move on and let the area quiet down. Took another grey fox, in same set when cat was taken yesterday. Its coat was so ragged just saved the skull. Saw 3 Turkeys within ½ mile of camp.

June 26. 1959

No sign of lion - it has passed on to greener pastures for sure.

June 27, 1959

Well had about as fine a mess this A.M. as one can imagine. Have had 1 steel set near an evaporating stock water hole. Baited with carcasses of skinned specimens. Had a rock on for a drag. Took a wild cat and it went right through the knee deep mud in bottom of stock tank. It finally became mired, just as the animals must have done in La Brea tar pits. It could only lift its head occassionally from the mud.

W.G. Russell 5 mi N Sierra Campana, 5200 ft, Chih, Mex.

June 27, 1959

Moved to E side of Sierra del Nido to above locality. This is an road that goes through the mountains from Ciudad Chihuahua to Colonia Lakta Clare. The vegetation in the wash is a mixture of Willow, Ash, Oak above a lower growth of desert shrubs and considerable dry grass. In fact were it not for grazing, the grass would be dense.

July 4 1959

During this last week the rainy season began and certain amphibians sprouted up like mushrooms. Cleutherodactylus the barking frog started calling from cliff in camp the second night after rains came. The start calling just at or a bit before dark. Then they descend the cliff and we catch them on rubble at waters edge at foot of cliff. This N facing cliff is 35-40' high and their first calling is often from high up on it. We have picked up 9-10 in a distance of 150 ft. of cliff. And there are still several calling at night. Judging from the calls they seem to descend the cliff rapidly - but we have not seen it performed. The water in stream bed consists of discontinuous pools left after the rush of thunder showers. The animal sits quietly and can easily be picked up when covered

W.C. Russell

5 mi. N Cerro Campaña, 5600 ft, Chih, Mex.

July 4 1959

with a light. The squeeks chatter will sometimes be stimulated by the trills of the ordinary Bufo. The latter also popped out all over the place as well as the Spadefoot, immediatly after rains start. One wonders how delyc the Bufos are to withstand the hot dry season & still be able to emerge so soon with the coming of rain.

Have spent 5 nights running a line of mouse traps in the wash and on the desert plane at mouth of canyon. This so called desert has quite a heavy growth of grass in patches - not uniformly destributed. It has not been seriously overgrazed. It is in these dense patches of grass where we find many old & some new Sigmadon runs. In burr construction and diurnal & nocturnal activities this animal closely resembles the Microtines. Due to activities of insects? At least 1/3 of traps are sprung. The mouse population is made up of a variety of species but not too many individuals of a given species per acre. A line of 50 traps will produce the following species; Dipodomys ordii + merriami, Perognathus flavus, hispidus + a penicillatus, Onychomys torridus, 2 Reithrodontomys, Sigmadon, Peromyscus maniculatus, & Neotoma lepida.

D. Russell 5 mi. N Cerro Campana, 3600 ft; Chih. Mex

July 4 1959

So far we have taken only 1 Baiomys. We do not get over 3 of any 1 species with exception of Peromiscus maniculatus. Just looking at the amount of Dipo working that shows up next morning after a previous afternoon shower, one wonders why he doesn't catch more of them.

About 2 days after the rains started there was a rash of gopher working. We got up in the morning to find fresh gopher mounds piled right in midst of camp area. They had been very active all along the wash. We set traps and almost without exception they came within the hour, pushed no dirt & simply were caught. It was the most rapid & successful trapping I have ever seen. On this wash with a sprinkling of large oaks & ash the sandy loam is quite deep & in spots fairly free of rocks. Much less rocky than in camp on N side of Mtn. and the gophers look different.

We got plenty of stories from the residents here about concerning bears. From the descriptions there are grizzly & black. To form any idea of numbers however is quite impossible.

W.C. Russell

Arroyo Mesteño, 7600 ft., Sierra del Nido, Chih.; Mex.

July 9 1959

Our party has changed personnel and split up. Coburn Haskell, Ned Johnson & Bill Hamilton arrived from Reno. To-day Bill Liddicker, Dave Taylor & Ned Johnson took off in the International for Aguas Calientes. Now are party consists of Bryan, Hamilton, Leopold, Haskell & myself. We broke camp and moved to W side of Sierra del Nido to Arroyo Mesteño.

This is really a beautiful canyon - with Yellow Pine, White Pine, Douglas Fir, Oaks & Aspen. There are pools of water with fish, not trout, in them. We were setting up camp when we Coard Trogan close by giving a weird call. Finally managed to take this bird. It had an egg ready to lay. There was one more egg enlarged and there were 2 follicles. Assuming one follicle for egg in duct it would appear that the clutch would be three.

July 12 1959

Last night Hank & I each took a spotted owl. The night previously I shot at another & lost it. Counting 2 more we have heard this makes 5 we know of in a distance of ½-¾ mile of canyon.

W.G. Russell Arroyo Mesteño, 7600 ft, Sierra del Nido, Chih. Mex.

July 12 1959

Quite a campe when one can hear turkeys gobble on the ridge. A pair of noisy Thick bill Parrots have a nest in dead snag on slope above camp. At night Spotted Owls barking up & down canyon. Curious thing so far have not been able to start a Flammulated Owl calling. This area looks just perfect for them. This is really a rat. range for rattlesnakes. Someone sees or collects ~~th~~ at least 1 or more every day. So many kinds it's confusing.

July 13 1959

Yesterday came on 4 turkeys at the edge of a manzanita slope. The one gobbler taken had 400 manzanita ~~berries~~ berries, several leaves of clover & 2 insects in crop. I had heard a gobbler gobble in this area ½ hr. before at 10:15 A.M. Late in season for them to gobble. These are yearling ♂'s, mostly due to good hatch last year. After a series of dry years the number of old birds is low.

Took a pair of Band Tailed Pigeons. These birds had mostly insects, catapillars, beetles in crops. However each had 2 manzanita berries. These birds are usually found in the heavier

W.C. Russell

Arroyo Mesteño, 7600 Ft, Sierra del Nido, Chih, Mex.

July 15 1969

timber but they must go and on S facing slopes occasionally where the manzanita grows. Once they are aware of one's presence they are wary and shooting is usually at extreme range. They generally give a "chee - chee - chee" call when they fly.

Its curious that in this well watered area there is so little carnivore sign. Of course it has been raining which makes tracks & droppings more difficult to spot.

At the camp at Cañon del Alamo it hadn't started to rain as yet & we were camped near a stock tank. Possibly the carnivores were concentrated in vicinity of this watering place.

The flowers have not emerged as yet and hummingbirds seem scarce and hard to spot. By this date the birds are certainly quieting down. In evening heard 1 Pygmy Owl calling by itself. And yet we cannot start one calling.

July 19, 1959

Chased another Canyon Trogan today but lost it. It seems that invariably when one flushes this bird they give the che-che-che call on leaving. They do not always

July 19 1959

give the call when they fly of their own free will. Then at times they will give series of descending whistles. The bird is definitely wary on the approach of a person.

Giving Pigmy owl calls one stirs up a flock of small bird the composition of which doesn't vary much. The usual species are Junco, Mt. chickadee, chipping Sparrow, Red-faced Warbler, Olive-Warbler, Rufus-crowned Sparrow, Spotted Towhee, Creeper, Mexican Blue bird, Bush-tit, Bridled Titmouse.

M.V.Z.

Aug 17 1959

acc. 9679 (4)

San Diego Zoo.

Skel+Skl. Skin+Skeleton
13627 ♀ Pithalanger[illegible] 1010-560-110-30

Skeleton only
13628 ? Porphyrio poliocephalus

13629 ♂ ~~Semnopithecus johni 580-355-95-29~~

Skin+Skel.
13630 ? Varanus niloticus

acc 9699 (4)

San Diego Zoo

Skin+Skel.
13631 ♂ Lithocranius walleri 1207-215-362-130 wt. 30.5 lb.

Skel. only
13632 ♂ Sartonix brachyurus 800-290-125-45

Skin+Skull
13633 ♂ Semnopithecus johni 580-355-95-29

Skel. Only
13634 ♂ Ephippiorhynchus senegalensis

Otis

The above 2 shipments of specimens were rec. at M.V.Z. while I was on field trip in Mexico. They were in freezer when I returned.

Aug 17 1959

acc 9708 (1)

San Francisco Beach

Skel. Only
13635 ? Puffinus bulleri

Picked up by & rec. from Miss. Betsay D. Cutler, 2128 Great Highway, S.F.

Found Aug. 16, 1959.

Too far gone to sex. Feathers still in place.

Sept 24 1959

On Sept 11 we had a heavy rain, Berk getting 3" and Marin Co. getting 5." Some areas in the Suisun & Monterey Co getting as much as 7." On above date went to my mole trapping area W of Tomales and put out my live traps. This area 3 weeks after the big rain and soil conditions were perfect for digging, both for the moles and for me. Arrived around 4 P.M. and they were working all over Mrs. Evans' pasture. Made a total of 17 live sets and 4 spear sets. Slept in car at rocks over looking Tomales Bay.

Sept 25 1959.

Same old story, out of 17 live sets, 13 sets missed by having moles go beneath the trap. Can't understand why this trap worked so well the first few times it was set. Caught one mole in spear trap and dug one out alive with shovel. Have rebuilt my mole cages and doors with the nest boxes surrounded on all sides by 3" of glass wool for insulation against the cold. 2 nights ago the moles died in nests on cold nights.

Sept 25 1959

2 mi. W Tomales, Marin Co., Calif.

Skull Only
13636 ♀ Scapanus l. caurinus taken in large mouse trap. Some enlargement of tubes 179-35-21 wt. 71.4 g.
Skull only
13637 ♀ " " " caught alive Sept 25 1959 died Nov 21 1959 181-37-22 wt. 47.0 g. at death.

!! Nov 25 1959 #13637 was dug out alive and kept for nearly 2 mo on a diet of frozen cubes of a material made up of ½ lb. horse meat, ½ lb cottage cheese, 1 banana & 50-60 drops of vitamins. This mole was not weighed when captured but the 47.0 g at death represents a large loss in wt. Looks as though it was not getting enough to eat. The nest nest boxes with insulation seem to keep them warm, though there haven't been any real cold nights so far. Since the rain of Sept 11 1959 there has not been a drop of rain up to this time, Nov 25 1959., All the green grass is drying up and the ground is as dry as in middle of the summer.

P.S. Didn't rain till the 1st. week in Jan 1960.

Oct 14 1959

acc 9735 (7)

San Diego Zoo

Skel. Only 13638	♀	Myrmecophaga Tridactyla (name "Scoop")	1695-559-140-51	34 Mo. old
Skin+Skel. 13639	♂	Gorilla g. gorilla	585- -190-40	—
Skin+Skel. 13640	♂	Lemur mongoz	857-467-100-35	—
Skeleton 13641	♂	Eudromia elegans		
Skeleton 13642	♂	Epimachus meyeri		
Skeleton 13643	♀	Polytelis anthopeplus		
pickled 13644	?	Loura v. victoria		10 days old

Dec. 3, 1959 rec.

acc 9744 (6) 1 discarded

San Diego Zoo.

Skel. Only 13645	♀	Phacochoerus aethiopicus	1525-380-229-115	
Skull only 13646	♀	Colobus b. rufomitratus	880-495-133-28	
Skin+Skel. 13647	♀	Stephanoaetus coronatus		—
Skin 13648	♂	Nestor notabilis		
Skin 13649	♂	Callocephalon fimbriatum		
Skin 13650	♀	Turaco hartlaubi		

Dec 9 1959

acc 9746 (1)

Butte Sink, near Gray Lodge Refuge

13651 ♂ Chen rossi

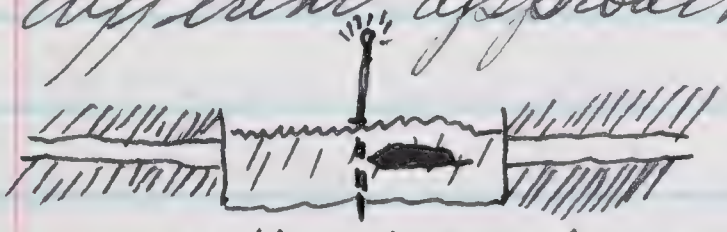
Shot by Harry H Magee 201 Crocker Ave Piedmont on Dec 5 1959

Rec. gutted and could'nt sep the bird

W.C. Russell M.V.Z., Berkeley, Calif.

Jan. 18, 1960

Started again after moles. On Feb. 5, 1959 I described a gadget for getting working moles at night. It was not too successful. However a thought came to me how this gadget might be modified to work better. Spent Sun. rewiring the sticks. Previously the triggers were placed at the entrance to and opened burrow. The idea being that when light went on I would dash there & find mole working and dig it out with shovel. Didn't work that way. The mole would plug opened burrow, just enough to activate the light & then often wait awhile before continuing working. Also I didn't always know where the burrow was so it was difficult to dig out. Decided to make a slightly different approach to the matter.



The idea is to make a 12"-14" cut in the mole's burrow and set the light stick in center of this cut. Make when light comes on the theory being mole will be

W.C. Russell M.V.Z., Berkeley, Calif.

Jan 18 1960

caught off base in newly filled earth where it will be easy to dig him out. Made up a dozen of these sticks by remodeling the ones from last year. Early this A.M. returned to and N of Tomales on the Swan Ranch where I have done so much of my work on previous years. The ground was perfect for digging - from the rains of last week in Jan. Grass not over 2" high. One ~~de~~ limiting factor for the use of the electric stick is that in order to keep an eye on them they must be set in a limited area where they all can be watched from one spot. And they should not be over 4 miles apart for when a light comes on one has to get there fast. Put out 10 sticks in an area of about 125 yds. in diam and had them out by 11 A.M. As usual the main activity ~~started~~ started between 3:30 P.M. & 5 P.M. One drawback developed in that sometimes the mole formed a new mound at side of trigger & covered it from top, so it failed to light.

N.C. Russell

M.V.Z., Berkeley, Calif.

Jan 18 ~~1956~~ 1960

While I was looking for suitable places to set these lights I turned over an old plank and there was a ♂ mole beneath. He was easy to catch by hand. This was one of the real tame ones. Moles vary a great deal in temperment. Some individuals squeek and attempt to bite when picked up by tail. A few do not squeek and can soon be handled with scarcely any attempts at biting. With aid of the lights took 1 ♀ at 4 P.M. Another was missed with shovel.

3 mi. W Tomales, Marin Co, Calif.

Skeleton Only
13652 ♂ Scapanus died Jan 20 1960 wt. Jan 20 72.2
13653 ♀ " caught Jan 18 193-38-22 when caught. 79.8
saved as mounted skel. very fat. Feb 8 wt. 106.6 g. 195-42-22 83.9
alive killed Feb 22 109.2 g. found it was 1 ♂ 1 ♀ instead

Stayed up till 8 P.M. when I turned in. Too tired & cold to hold out any later.

Jan. 19, 1960

Up at 6 A.M. checked lights and found 3 with batteries dead. They came on after 8 P.M. Picked up light sticks and moved 5 of them to a new locality. Left them out till 9 P.M. - 2 hrs. In this time one light went out but arrived too late to dig it out. Walked up to another to pull

Jan 19 1960

it up, just as mole was working. Dug it up. Then dug up one I just found working. And there by stumbled on to a better method for digging a mole and when it is working. This concerns deep runs where the mole is making mounds. Not the shallow run types.

Now when a mole is pushing up a mound and one tries to throw it out with

a shovel he has a 33⅓ chance of success. One of 3 things can happen. One can miss the animal, or cut it in half, or be successful in flipping it out. This is if one follows his natural inclination of ramming the shovel home at site where earth is moving. The difficulty arises from fact that one had no idea of which side the main burrow is on with relation to the mound. It suddenly came to me as I watched a mound being formed, and was wondering when to thrust the shovel. Why not dig out the next to last mound and thereby cut off the moles escape

W.C. Russell M.V.Z., Berkeley, Calif.

Jan 19 1960

3 mi. W Tomales Marin Co. Calif.

Skeleton Only ♀ 13654 — very large tubes being sectioned
♀ Scapanus vagina open 185-35-20 wt. 85.5g.
Skeleton Only ♀ 13655 — " Tubes enlarged "hair ball" in stomach
prob. not preg. yet 171-31-20 68.7g.
Skull Only ♀ 13656 — " tubes only slight enlarged wt. 62.0g. Feb 22 wt. 104.2g. Feb 29 97.2g.
(died Apr 20 1960) 181-37-21 wt. 70.2g.
Skull Only ♂ 13657 — " testis 7mm Feb 27 93.3g. Killed Mar 27. wt. Feb 4. 91.0g.
too fat. Mar 27 107.0g. 190-40-24 ~~Feb~~ Feb 16 97.6g. wt. 89.2g.
Feb 22 97.5g.

I figured then to dig out said mole from this short section of dead end burrow. But this wasn't necessary. The commotion causes the mole to turn around and start his head long retreat only to come to the opened burrow where it can be caught by hand. Since this seems to work I now plan on using the lights now. In addition to the fact that the traps are still not successful. However the light is hard to see in daytime so have now devised a contraption that drops a flag in daytime in addition to lighting a light at night.

Pat Schramm made slides of one tube of #13654 which was very large but no sign of bumps (embryoes). It proved to not be pregnant.

Slides of #13655 of an ovary showed it was about ready to ovulate but ~~hasn't~~ hadn't as yet. These tubes were enlarged but not as large as 13654

W.C. Russell M.V.Z. Berkeley, Calif.

Jan. 28, 1960

Returned to my mole study area W of Tomales. Decided to give the live trap another try and set out 17 in single sets. Also put out 10 spear traps and 8 light sticks. With aid of lights dug out 2 but killed a ♀ accidentally. She had 4 emb x 9 mm.

2 mi. N Tomales, Marin Co, Calif.

skull only 13658 ♀ Scapanus — in mounds. 4 emb x 9 mm — 175-35-20 — 193-37-24 — Feb 18 103.0g. Given to Dr. alive — Wt. Feb 4 91.0g. M. Johnson 91.2g. Feb 27 88.2g.

13659 ♂ Killed Feb 29 Wt. 89.0g.

Jan 29 1960

2 mi. N Tomales, Marin Co, Calif.

skull only 13660 ♂ Scapanus — taken in mound. testes 1½ mm — 196-36-22 — 104.4g.

skull only 13661 ♀ " — in mounds. 4 emb x 5 mm sacks — 183-33-21 — 74.5g.

skull only 13662 ♀ " — in mounds. 3 emb x 1 mm sacks — 186-34-22 — 79.3g.

skull only 13663 ♀ " — no young. Killed Mar 27 1960 — alive — 175-33-22 — 71.1g

3 dead ones out of 10 spear traps is not very good. No live ones taken in live traps. Over half of them had been worked around. The thought just comes to me - there is too much air getting in this traps. Will pack them with dirt leading a furrow running through the traps then seal them in the ground to exclude air. May be this will cut down on their act of burrowing around. as filling traps with dirt.

W.C. Russell | M.V.Z. Berkeley, Calif.

Jan 30 1960

Returned to study area W of Tomales to try and get live moles. Figured on digging out with shovel when I saw them working. However there was very little late afternoon working today. One simply cannot work with a lantern or head lamp at night. It's too difficult to distinguish fresh from old workings with a light. A pea soup fog came in soon after dark so I couldn't even see my light sticks.

Jan 31 1960

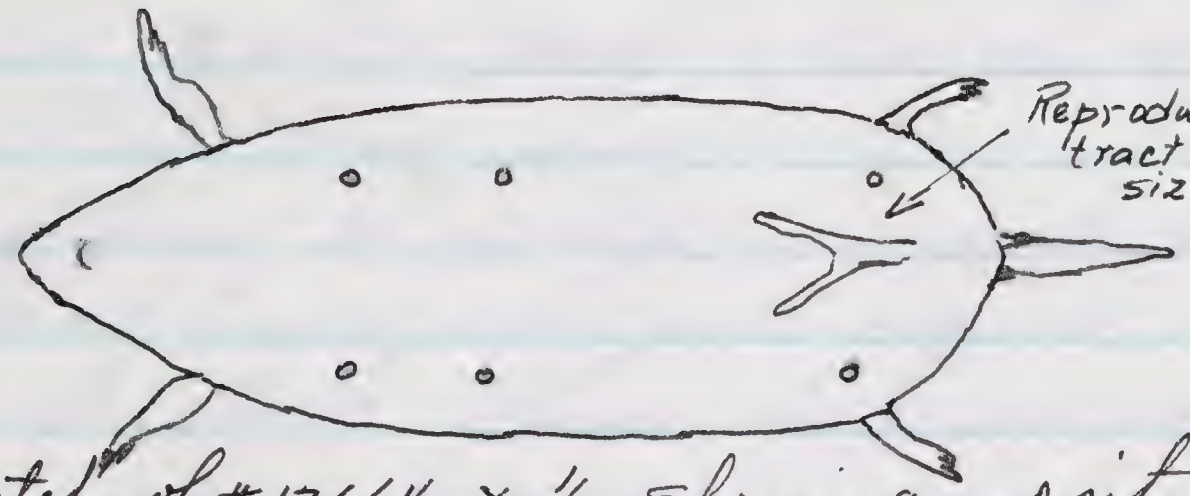
Light rain at 5:30 A.M. so by daylight couldn't tell which were the freshest mounds. Found a + pushing dirt up beside 2 2x4s. + flipped over the sticks and caught her with my hands. Her tubes showed practically no enlargement. ~~Again a [illegible] [illegible]~~. Now find she had large milk glands so has had young not many days ago.

13664 3 mi. W Tomales, Marin Co., Calif.
Skull only
13664 + Scapanus large milk glands - had young. tubes small. 185-32-20 98.1g.

She only lived over night & died next day.

W.C. Russell M.V.Z., Berkeley, Calif.

Jan. 31, 1960

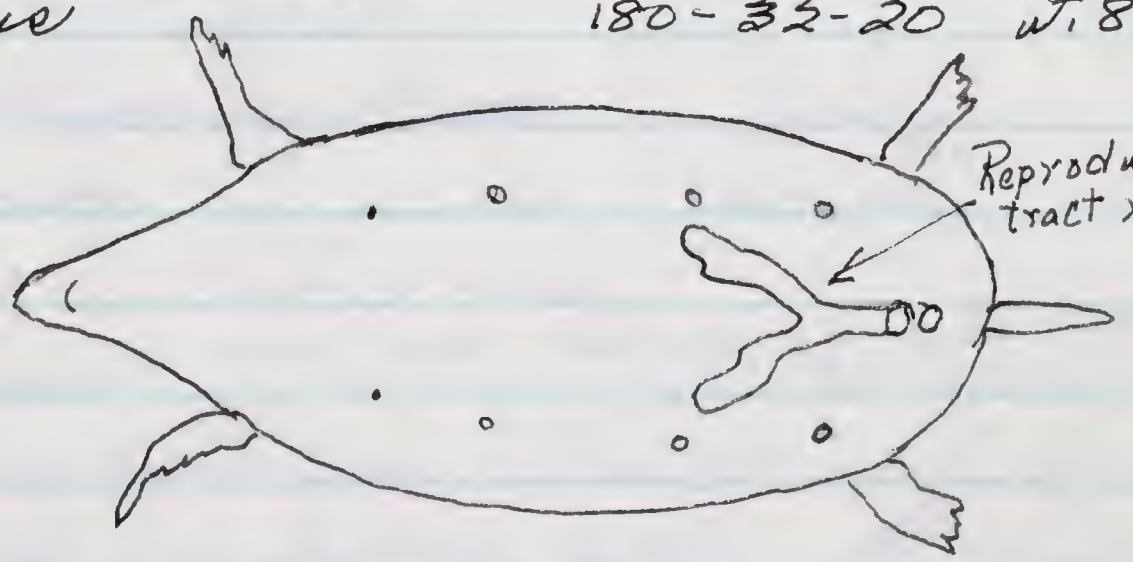


Sketch of #13664 × 1/2 Showing position of mammary glands. The reproductive tract was approx same size as one taken from another ♀ that had given birth one week previously.

Feb 12 1960

3 mi. N Tomales, Marin Co, Calif.

Skull only 13665 ♀ Scapanus coll. Feb 12 1960 180-32-20 wt. 87.2g.



Sketch of 13665 × 1/2

W.C. Russell M.V.Z., Berkeley, Calif.

Feb 12 1960

Returned to mole study area in afternoon arriving at 3 P.M. Made 8 live can trap sets. This time using a cover on back end of trap to exclude air and also packing trap with soil around a round stick. When stick is removed it leaves a burrow $1\frac{5}{8}$" diam running through the dirt the length of the trap. Hoping to get the mole to use this burrow rather than push dirt at the trap. Practically no late afternoon working. By dark had caught 1 ♀ in a can trap. Started to rain gently in early part of night.

3 mi. N Pomales, Marin Co, Calif.

13666 ♀ Scapanus Feb 22 70.4g. 79.9g.

Feb 13 1960.

skull only
13667 ♀ Scapanus. 4 emb x 18 mm Emb. given to Ziegler for slides 186-35-22

no. wt. as embs were removed in field.

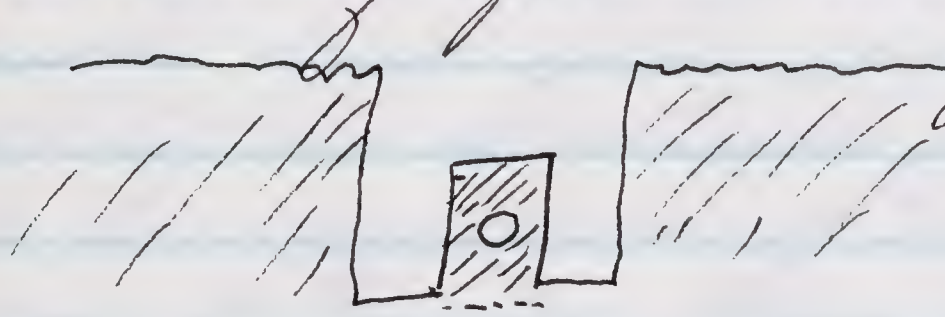
This mole accidentally killed with shovel. It had plugged a burrow I had opened. I started to reopen burrow to set a trap and since there was no ground movement was amazed the mole was there. Thanks I let her!

W.C. Russell M.V.Z., Berkeley, Calif.

Feb. 13, 1960

Catching the one I in the can trap last night raised my hopes that maybe now these traps would work. No such luck this morning they were plugged or bypassed and ruined. Am now convinced that no trap which requires a disturbance of the burrow is going to be effective. Any disturbance of the burrow usually causes the mole to start pushing dirt or digging an new burrow. The only idea I have at the moment for a trap goes something like this.

End view of opened burrow.



Trap must be some type that can gobble up dirt, mole & all of a piece of original burrow that has been exposed in above manner. This takes power to drive metal through the ---- base of undisturbed earth.

W. C. Russell | M.V.Z., Berkeley, Calif.

Feb. 13, 1960

During the day dug out 2 ♀♀ & 1 ♂ with the shovel. Two were gotten during the mid day working period & 1 during evening working period. Am beginning to be convinced that there are rhythmic periods of activity of the whole mole population. There is the late afternoon period from 4:7 P.M. then an early morning pay 5-8 A.M. and some activity at mid day. Quite likely there may be something doing around mid-night but I haven't observed this as yet. Certainly there is not much doing from say 1 P.M. - till 4 P.M. The activity I'm speaking about is the appearance of new mounds.

3 mi. W Tomales, Marin Co., Calif.

Skull Only 13668 ♀ Scapanus — Killed Mar 30 wt. 80 g. 170-35-22 70.0 g.
Skull Only 13669 ♀ " — did Feb 19 wt. 59.3 g. 3 emb x 18 mm 177-34-2082.0 g.
Skull Only 13670 ♂ " tubes very small — Feb 27 79.1 g. Killed Mar 27 wt. 100 g. 185-38-22 85.0 g.

However weather conditions seem to alter this activity sometimes. For example. It rained in evening of Feb. night. Sat morning after daylight there was little working. Again Sun. - mid-day I could find no activity.

W.C. Russell

Feb 13 1960

Haven't seen any examples where the population worked at a different time. They simply didn't work at the usual time. This is probably all tied in with earth worm activity. # 13665 was a ♀ accidentally killed in a live trap. She quite obviously had had her young in last 2 days or so. Large milk glands, and reproductive tract still very large with huge blood supply. The sketch of nipples shows one that were being used. Sketch above of # 13664 also shows ones being used. When I examined #13664 the air was used to part the fur and the 3 pair were all that could be found. Upon examining # 13665 again the air was used. In addition to the 3 obvious pair being used an anterior unused pair of nipples was uncovered.

Feb 19 1960

Arrived at study area in Marin Co at noon. There was no activity of moles during mid-day. In late afternoon went to Swan's Ranch. arriving in their pastures at 4 P.M. and by then there were new mounds already up. Between 4 & 6:30 P.M. dug out 2 ♀'s & a ♂ with the shovel. Used the method of opening up a new mound and then waiting for mole to come and plug the opening. Was successful in each place where I tried.

2 mi N of Tomales, Marin Co, Calif.

Skull Only 13671 ♂ Scapanus alive killed Feb 22 wt. 85.2g. testis 14 mm 188-35-21 100.8g.
Skull only 13672 ♀ " Died Mar 10 wt. 60.8 178-37-22 Feb 22 90.3g 88.5g
Skull only 13673 ♀ couldn't be sure if alive tubes enlarged a bit Killed Mar 27 98.5g. ♂
if it had alive some blood. 184-37-23 89.8g.
had young last thick sp

Was a clear night with low humidity. Left Swan's Ranch and went to Pozzi's Ranch arriving there around 8 P.M. By then the moles had stopped working. At last when I opened burrows, after 8 P.M. no one came to close them when I waited ½ hour.

Feb. 20, 1960

Was out making the rounds at 7 A.M. Looked like every mole on the ranch had worked during night. There was absolutely no activity from 7 A.M. till I left at 9:30 A.M.

W.C. Russell M.V.Z., Berkeley, Calif.

Feb 20 1960

There were dozens of new mounds in Rossi's pastures and they all seemed to be drying at the same rate. Of course this is a rough way of trying to tell when the animals worked. But it appeared that most of them were made roughly at the same time. From the amount of drying it looked like they must have all worked during the previous evening, just as they did at the Swayne Ranch. Same observation again, there is a rhythm to the working by the whole population. It is not the individual activity.

In a pasture 11 mi. W Petaluma I took a color slide of a mole nest on top of the ground when it had been left by a Badger. Looked to see when the nest was in relation to the mounds in the area. It was roughly centrally located with strringers of mounds radiating out from it. Fresh working in bottom of badger excavation so guess the adult mole wasn't taken. In fact I don't see how a Badger could get them as they would scoot at first sound of digging.

W.C. Russell M.V.Z., Berkeley, Calif.

Feb 24, 1960

acc. 9767 (1)

13674 Send Pyramid Lake, Washoe Co, Nev.
9 White wing Scoter -
Found dead by Virgil Kay Johnson on
Dec. 23, 1959. Brought in to M.V.Z. by
Ted Johnson. Bird very thin.

Feb 24 1960

Returned to study area W of Tomales in
afternoon arriving at 3:30 P.M. Intended
to dig out some more 9's when they
started their afternoon working. Day
becoming increasingly cloudy in
late afternoon. Has been no rain now
for a week. At 3:30 found just a
handful of fresh earth recently put up
in what I call a 6 hyrax system.
Thought well here they are starting
to work right on time. However at
6 P.M. approached it was apparant
that the general population was not
going to be active, at least in
throwing up new mounds. Found
very little fresh work up to 9:30 P.M.
when I left. Now I would find
fresh work, and never extensive,
they were very slow in returning
after I opened the burrow.

W.C. Russell

M.V.Z., Berkeley, Calif.

Feb 24 1960

Skull Only
13675 ♀ Scapanus

3 mi. W Tomales, Marin Co, Calif.
had given birth.

Took only this one mole and hit her with the shovel. She was so mangled no use to try & measure or weigh. Could tell however she had recently had young.

There was very little activity all told, in fact some recent mound systems showed no new workings up to 9:30 P.M. Wish I could have watched the remainder of the night.

In all my digging in the pastures one always finds more earthworms directly beneath piles of cow manure. Yet there is no evidence that the moles seek out these areas to do their foraging. They seem to occasionally go directly beneath a pile of droppings but it seems to be only by chance.

Feb. 27, 1960

3 mi. W Tomales, Marin Co, Calif. [at death wt. 82.8g.]

Skull only 13676 ♀ Scapanus alive ♀ killed Mar 9. 3 young born Mar 4 1 young gone on Mar 8. 180-32-21. mangled with shovel 78.4g.

Skull only 13677 ♀ " had given birth

Skull only 13678 ♂ " alive at death. died Apr 6 1960 tested 4 mm 185-40-24 93.0g.

Returned to study area in afternoon and from 3:30 P.M. on there was a fair amount of activity in the mole population. By dark, a little after 6:30 P.M. had dug out 3 killing ones in the process. I was too anxious and dug what I thought was behind one I could hear working. Cut it in half however. Now this evening was cloudy - much the same weather as on Feb 24 when the moles didn't work. Can't figure out what makes the difference in the degree of activity in late afternoon. Stayed up till 9 P.M. but after 7 P.M. there was not much doing.

Feb. 28, 1960

3 mi. W Tomales, Marin Co. Calif.

Skull only 13679 ♀ Scapanus alive marked 12/5 Killed Apr 20 at 92.2g. Tube spray small 171-32-20 82.5g.

Was out at 7 A.M. and found what always seems to have happened. There is a great deal of activity sometime between 9 P.M. & 7 A.M. next day. This is bec. of night is the time when most of the mounds are thrown up. Will have to work from mid-night on & see what goes on.

Feb 20, 1960

Very little activity from 7 A.M. til noon.

Feb 29 1960

♀ #13656 taken on Jan 19 has had no young & was removed from the nursery cage. Had noted she probably wasn't pregnant as others taken at same time proved not to be. Put in with ♂ 13678 in evening 7:20 P.M. She had scattered much of her dry grass bedding material out into the main cage from the nest box. There is one other ♀ that is doing same thing. I recall some of them did same thing last year. Maybe these are now pregnant ones. Will keep watch on this.

Mar 4 1960

#13676 had 3 young in nest when I looked at 5 P.M. Have been checking nests every day at 5 P.M. Am going to leave them strictly alone now for awhile.

#13666 taken on Feb 12 has been another one that scattered her nest material over all the cage. So removed her from nursery and put in small cage in basement. She has lost weight since capture and I'm assuming she is not pregnant.

W.C. Russell M.V.Z., Berkeley, Calif.

Mar. 8, 1960

Looked in nest box of #13676 at 5 P.M. No young left. They were born Mar 4 and were there when checked on Mar. 6.

Mar 9, 1960

At 7:15 A.M. fed some angle worms to #13676 intending to kill her later & look in stomach and see the condition of the worms. Upon examination 2 hrs. later, found the stomach empty. Tried squeezing the teats to extract some milk. Only a trace was forced out. Opened the animal up and could not find any milk gland tissue at all. Considerable fat however. Now this ♀ had been in captivity only 2 weeks but still there was too much fat and no milk gland tissue. She had been fed canned & dry dog food, some banana and plenty cattle worms. My guess right now is this lack of exercise may be the cause of all the trouble.

By blowing with air could part hair on belly and find 4 teats on R. side and 1 on left side that had been used. Only the posterior one on left side could be found.

W.C. Russell

M.V.Z., Berkeley, Calif

Mar 10 1960

#13672 died last night. She weighed 88.5g when caught & was down to 60.8g at death. Animal behaved strangely for some time as she was crazy with hunger though ate as much as other moles. She would attempt to jump out of pen to get at the food at feeding time. Though she ate everything in sight still lost weight. Could find nothing wrong when I opened her up. I would judge from reproductive tract - which was enlarged but probably going down that she had had young this year - tract pickled.

Had a talk with Dr. Nandi in Cancer Research Lab., Warren Hall concerning the milk production and what could be done to increase it in these moles. His suggestion was try 1. Cortisol as an injection 2. Thyropin in the diet. and 3 if no results from 1 or 2 and injection of Cortisol + Prolactin + growth hormone. Cortisol available from Dr. Nandi. Thyropin available commercially. Prolactin & growth hormone would try to get through Howard Bern.

W.C. Russell M.V.Z., Berkeley, Calif.

Mar 14 1960

Returned to mole study area in afternoon to watch for workings at night. Had only stopped raining 2 days before so ground was wet. In late afternoon there was a little activity. Probably the wet soil causes so much earth worm activity near the surface that the moles don't have to work much. I assume they get some worms in the already established burrows.

Dug out 2 moles ♂ & ♀ between 6 & 8 P.M. Weather cool & clear very little dew.

Skull only 13680 ♀ 3 mi. N Tomales, Marin Co., Calif. Scapanus alive Killed Ap 20 wt. 87.4g. 171-34-20 1/279. Ap 3 - did ap 5. wt. 71.3g.
Skull only 13681 ♂ " alive Killed Mar 27 187-36-23 wt. 90.8g. " 86.0g.

Mar. 15, 1960

Up at 3 A.M. to see if they were working. No activity till 5-6 A.M. and very little then. Went to another pasture and opened up 5 fresh mounds and watched them from 7-8 A.M. Only 1 worked & that was while I was elsewhere. So didn't get any. Should go when soil is a bit dryer for good activity observations.

W.C. Russell M.V.Z., Berkeley, Calif.

Mar 17 1960

acc 9777 (7)

San Diego Zoo

Skel. + Skin 13682	♂	Cacajao rubicundus	Died. Feb 9 1960. 600-145-146-28
Skin + Skel. 13683	♂	Ictictyon venaticus	rec. at Zoo Sept. 1953 Died Mar 13 1960 750-130-110-48
Skin + Skull 13684	♀	Semnopithecus johni	Died Dec 3 1959 895-546-120-28
Skel. only 13685	♂	C. hamlyni	Died Jan 27 1960 792-466-110-30
Skel. only 13686	♀	Coscoroba coscoroba	Rec. at Zoo Sept. 6, 1947 Died Mar 11. 1960
Skin. 13687	♂	Branta ruficollis	died Mar 14 1960
Skel. only 13688?		Struthidea cinerea	rec. from Brussels, Bel. Oct. 14 '49

Mar. 25, 1960

Returned to mole study area in afternoon and got out 10 spear traps. Trying for a ♀ with milk. By 8 P.M. took 4 but no such ♀'s.

3 mi. N Tomales, Marin Co, Calif.

Skull only 13689	♀	Scapanus	180-33-21	———
Skull only 13690	♀	"	tubes enlarged (couldn't be sure if she had had young) not early pregnancy. 185-35-21	———
Skull only 13691	♂	"	192-37-21	wt. 87.7g.
Skull only 13692	♂	"	190-36-22	104.3g.

Russell M.V.Z., Berkeley, Calif.

Mar 26 1960

Strawberry Canyon, Alameda Co, Calif.

13693 ♀ Peromyscus truei 5 em b x 2 mm 199-95-23-17 wt. 31.8g.

3 mi. N Tomales, Marin Co, Calif.

13694 ♂ Zonotrichia l. gambeli testes 9 mm. wt. 27.5g

Above 2 specimens prepared during class demonstration in Stohler's Zoo class, Extension Division.

Specimens given to a member of the class.

April 5, 1960.

Made an addition on the pen of #13680 to give her more exercise while feeding. Added a runway 6 ft. long x 1 ft wide and put in 5" of earth. After finishing this pen I checked the nest of this ♀ that had 2 yg. yesterday. Well today there was one left & it was dead! Change of plans! Have decided to use this runway for 30 days - scattering the food in it and burying it at random. This mole is going to really dig to get its food. Its weight today is 89.7g. She weighed 71.3g when caught. Want to see if she will appreciably her caught wt. after a month's exercise. Killed #13680 on Ap 20. Found she was still too fat even with 2 weeks exercise. Think now had better go back to diet of worms.

W.C. Russell M.V.Z., Berkeley, Calif.

April 22 1960

Horse Mtn., 7 mi. SW Willow Cr, (Highway 299),
Humboldt Co, Calif.

13695 ♀ Ursus (imm.) 990-94-190-110 —

Coll. Ap 22 1959 and given to Ray Dasman of Humboldt State, Arcata. He in turn gave it to me & I am in turn giving the skull & skin to Mary Taylor of Wellesley.

July 1960

acc. 9813 (1)

Lake Tenaya, Yosemite Valley, 8100 ft. Mariposa Co.,

Skel. Only
13696 ♂ Marmota (coll. June 22 1960) 647-215-82-28 —

Pick up on road by Richard Cahin.

July 25 1960

acc 9825 (8)

San Diego Zoo

Skel. Only
13697 ♂ Diphyllodes m. chrysopterus

Skin
13698 ♂ Aprosmictus erythropterus

Skin
13699 ♂ Paradisea minor

Skin
13700 ♂ Cereopsis novae-hollandiae

Skel. Only
13701 ♀ Lobibyx – (see note next page)

Skin + Skel.
13702 ♂ Miopithecus talapoin 600-290-97-26
2 yr. old. Died June 2 1960

Skin + Skel.
13703 ♂ Gorilla g. gorilla 570-0-183-40 32.0 lb
4 mo old?

Skel. Only
13704 ♂ Lorius roratus pectoralis Born in Zoo

Shipment rec. completely thawed. No dry ice included in box. All spec. re frozen on arrival.

(next page →)

Cat Page = 176

W. C. Russell

July 1960 -

Feb. 1961

Misc. Catalogue

#13705-13725

Balaenoptera

Santa Cruz

W.C. Russell M.V.Z., Berkeley, Calif.

July 25 1960
acc 9825 (8) (cont'd)

There is a mixup of names on number 13701. The name in letter of July 19 1960 from Zoo calls the Spur-winged Plover Lobibyx novae-hollandiae, however there was a slip with the bird that gives the name as Vanellus cayennensis. This bird was skipping so had to make a skeleton. Didn't notice the discrepancy in names till feathers were thrown out.

July 26 1960
acc 9833 (1)

13705? Megaptera novaeangliae

Piece of baleen came from whaler at Point Richmond. Coll. in July 1960

Oct 12 1960
acc 9861 (1)

Santa Cruz, Santa Cruz Co., Calif.

Skull & Flippers
13706 ♂ Balaenoptera acutorostrata W. 3830 lbs.
+
2 neck vertebrae Brain weight 2713.0 grams.
+
Hyoid Bones Length - tip of nose to notch of tail 17 ft. 9 inches.
Length rt. flipper, posterior base to tip 765 mm.
Length of tail, tip to median notch - 787 mm
Girth, narrow part anterior to tail 635 mm

NO. B- 1254

Public Weigh Master's Certificate of Weight and Measure

STATE OF CALIFORNIA

DEPARTMENT OF AGRICULTURE

BUREAU OF WEIGHTS AND MEASURES

Original

10-11, 1960

THIS IS TO CERTIFY, That the following described merchandise was weighed by a Public Weigh Master, and the seal hereto attached is a recognized authority of accuracy, as prescribed by the California Business and Professions Code, Division 5, Chapter 7.

Units 1 Whole **Commodity** **Gross** 14680

License No. 135026 **Net Tare** 10850

Merchandise Delivered to University of Calif **Net** 3830

Weighed for Account of

City of SC Truck

FEE No Charge

PROVENZANO BROS.

SANTA CRUZ, CALIFORNIA PUBLIC WEIGH MASTER

By Mark Edwards

Brainut 2713.0 grams.

Please do not remove —
in place to protect photos

Oct 12 1960 Whale on beach where it stranded itself. Tide Low.

Oct 12 1960
Whale at the city dump.

Please do not remove —
in place to protect photos

Oct 12 1960

Whale hanging from crane after being raised from beach.

Oct 12 1960

acc 9831 (1) cont'd

13706 Balaenoptera acutorostrata

Dorsal fin, approx as tip was cut off. — 355 mm

Mouth- 1830 mm

On Tues Oct 11 the Museum rec. a call from Academy of Sciences, S.F. that there was a stranded whale on beach at Santa Cruz. The wharfmaster had called the academy asking if they wanted it. They didn't, so called M.V.Z. I took Mike Pontrelli & Jean Christman & we went to S.C. The whale was stranded W of the wharf where the beach meets the cliffs. The story is that it went aground in the morning when pursued by killer whales. People on the wharf said a school of killer whales were having a time darting at high speed between the piles of the wharf. Since it was afternoon it was decided to start work removing the whale from the beach, first thing in the morning. I must say the city officials were more than anxious to lend every possible assistance in moving said beast when we could work. On Wed. morning a truck crane parked on the E cliff divide directly above said beast on the beach. A cable attached to tail & the animal was hoisted

Oct 12 1960

acc. ~~4833~~ 9861 (1) (cont'd)

to the highway. It was placed in a dump truck & taken to to public scale for weighing. From the scales we went on the coast highway W of Santa Cruz to the dump used by the City. A bull dozer scraped a deep trench & the whale was deposited beside the trench where we went to work cutting off the head & one flipper. After weighing and this head the carcass was pushed into the trench and covered. The animal was buried in a part of the dump where it would not be disturbed. In a year or so we will have a look at the remaining bones.

Skull was sawed in half and the brain removed for weighing. Brain weighed 2713 grams.

Pictures taken by Mr. John P Strohbeen 1135 King St. Santa Cruz.

Mc Russell M.V.Z., Berkeley, Calif.

Jan 19 1961

In early afternoon Pat Schramm & I went to Marin Co to vicinity of Tomales to trap moles & gophers. We had good early rains in Oct & Nov of 1960 so ground became really wet down. The rain stopped and we had none in Dec. & up to 23 of Jan. Was curious to see what the building activity of the moles is at present. Starting this mole season I do not have a good live trap. Set out 9 spear traps. There has been plenty of mole activity. Mounds all over the pastured. Set traps on Swan Ranch 2 mi. NW of Tomales. By evening had taken 2 moles.

~~13707 ♀ Scapanus~~ 2 mi. NW Tomales Marin Co. Calif.

13707 ♀ skull only Scapanus 4 emb x 33 mm 185-33-21 } 2 same nest
13708 ♀ skull only " 2 emb x 12 mm 185-33-21

Jan 20, 1961

Took 2 moles this morning a ♂ & a ♀ that were ready to breed. These two were not saved as spec. for M.V.Z., This shows quite a spread of breeding activity from full term embryos to just ready to breed.

W.C. Russell M.V.Z., Berkeley, Calif.

Jan 19 1961

San Diego Zoo acc. 9895 (15) 1 discarded

Skin+skel. 13709	♀	Cryscocyon jubatus	900-120-252-145
Skin 13710	?	Coura v victoria	
Skin 13711	♀	Myiopsitta monachus monachus	
Skeleton only 12712	♀	Litocranius walleri.	1000-215-346-105
Skin 13713	♂	Nannopterum harrisi	
Skin 13714	♂	Pargdisea rubra	
Skin+skel. 13715	♂	Pithecia p. chrysocephalus	750-387-120-30
Skel. only 13716	♂	Manucodia a atra	
Skel. only 13717	♀	Calyptorhynchus magnificus	
Skin 13718	♀	Kamphastos sulfuratus	
Skel. only 13719	?	Procnias nudicollis	
Skel. only 13720	?	Struthidea cinera	
Skel. only 13721	♂	Otocompa emeria	
Skel. only 13722	♀	Pteroglossus pluricinctus	

Feb 6 1961

2 mi. NW Pomales

Skull only
13723 ♂ Scapanus testis 11 mm 185-37-22

Skull only
13724 " testis 10 mm 190-34-21 ♂.96.2

Skull only
13725 " testis 12 mm 192-35-21 108.3

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W. C. Russell

March 1961

Baja, Calif.

Catalogue

#13726 - 13763

Journal

San Quintin Bay, Baha California

Mar 26, 1961

13726	?	Bell Sparrow		♪. 15.4g.
13727	♂	" "		" 16.0g.
13728	♀	Clapper Rail	~~eggs~~ enlarging largest ovum 2mm.	"271.0g.
13729	♀	" "	egg mass 25mm largest ovum 2mm	294.7 0g.
13730	♀	Savannah Sparrow	(egg mass ova 3mm	"16.6g.
13731	♂	" "	testis 7mm	"18.3g.
13732	♂	" "	" 8mm	"17.6g.
13733	♂	" "	" 9mm	"18.9g.
~~13734~~				~~293.8g.~~
		Mar 27		
13734	♀	Clapper Rail	oviduct enlarging ovum 4mm.	293.8g
13735	♀	" "	oviduct enlarging ovum 4mm	281.0g.
13736	♀	Savannah Sparrow	ovum 1 mm	17.1g.
13737	♂	" "	testis 8mm	18.3g
13738	♀	Dowitcher	ovum less than 1mm	107.0g
13739	♂	Red-backed Sand piper	testis 3mm	46.7g
13740	♀	" " " "	ovum less than 1mm	56.0g
		Mar 28		
13741	♀	Red-backed Sand piper	very thin a cripple ovum less than 1mm	41.0g.
13742	♂	Savannah Sparrow	testis 8mm	18.6g.
13743	♂	Bell Sparrow	" 3mm	16.0g.
13744	♀	Red-backed Sandpiper	less than 1mm ovum -1mm	61.5g
13745	♀	" " "	" "	51.8g.
13746	♂	" " "	testis 2mm	51.0g.
13747	♂	Western Sandpiper	testis 1mm	22.9g
13748	♂	Clapper Rail	testis 22mm	388.7g.
13749	♂	Western Sandpiper		24.3

W.C. Russell San Quintin Bay, Baha California

Mar 28 1961

13750	♀	Red-backed Sand piper	ovum - 1 mm	no fat	51.5

Mar 29 1961

13751	♂	Clapper Rail	testes 27 mm		451.2g
13752	♂	" "	" 22 mm		430.0g.
13753	♂	" "	" 24 mm		425.0g.
13754	♀	Sora Rail	ovum - 1 mm		61.7g.

Mar 30, 1961

13755	♀	Neotoma desertorum	250-113-30-25		91.6g

Mar 31, 1961

13756	♂	Savannah Sparrow	testis 8 mm		18.0g.
13757	♂	" "	testis 9 mm		20.0g.
13758	♀	Godwit	ovum - 1 mm		391.0g.
13759	♀	Red-backed Sandpiper	ovum - 1 mm	no fat	57.5g.
13760	♂♀	" " "	~~testis 2 mm~~ ovum - 1 mm	~~fat~~ no fat	55.2g
13761	♂	" " "	testis 2 mm	fat	———
13762	♂	" " "	testis 2 mm	fat	57.5g
13763	♂	Western Sandpiper	testis 1 mm	very little fat	22.2g

W.C. Russell

May 23 1961

Left Bish. at 6:30 A.M. headed for Baha California accompanied by Dick Holmes & John Ralph. Stopped at ranch in Lindsay for lunch. arriving at 11:30 A.M. Went via Bakersfield - Tehachapi - Indio & threw out sleeping bags at El Centro at 10 P.M.

May 24 1961

Spent half a day trying to get gun permits & finally gave it up. Drove over a good highway from Mexicali to Tecate & then to Ensinada where we pulled in Motel for night.

May 25 1961

Good thing we did to for it was raining merrily this morning. Arrived at bay of San Quintin at around 3 P.M. Made camp in sand dunes an edge of ~~bay~~ E arm of bay E of the fish & Jr. Canary. Looks like rain - cloudy - wind from N. We are here for Dick Holmes to get a look at the Red-backed Sandpiper on the wintering grounds. ~~Flew~~

May 26 1961

Cold last night & heavy dew. The dew was frozen on table top! Day sunny & windy. They say wind blows a great deal this time of year.

San Quintin Bay, Baha California.

Mar. 26, 1961

Hunted through the Salicornia marsh this A.M. This plant grows very low not - not much over 6" high. Bordering the small sloughs that run back from the bay there are patches of a rush some 30' high. It was in these patches of rush I put up 4 Clapper rails. Missed 1, crippled 1 & got 2. One of them had a small crab in its gullet. The ovaries of these rails were beginning to enlarge. In one the whole egg mass was 25 mm. with largest egg 2 mm. There were about 250 Brant on shore & many more scattered out over the bay. They are widely scattered on bay - groups of 2 to 4 in a bunch. Savannah Sparrows very common on marsh. Saw, Yellowthroat. Bird are so nervous in the wind. Willet & long-billed curlew common on marsh. The prevailing tides at present time do not cover the marsh at all. Put up 2-3 Short-eared Owls. Then hiked back through desert scrub & took 2 Bell sparrows. Didn't see a single lizard.

Mar 27, 1961

Hunted in marsh again this A.M. Saw no Yellowthroats. Killed 4 Clapper rails but retrieved only 2. This bird is quite numerous and they are fairly easy to flush & get in the air. So far we

W.C. Russell

San Quintin Bay, Baja California

Mar 27, 1961

have taken 5 - all ♀♀. Saw 5 Short-eared Owls in a group - flush from California. Judging from recent tracks around camp they are sure plentiful. In morning every square ft. of sand in camp is covered with tracks. Last night set out 9 live traps & took 3 Perognathus manicalatus, 1 Dipo & 1 Perognathus. We are saving live Perognathus for a grad student.

Mar. 29, 1961

To-day we drove some 12 mi. S to the Rancho de los Flores which is operated by a Dr. Perez & Allan Brown of Santa Cruz - the latter an old friend of mine. We went out to the beach at this ranch - a beautiful sandy beach but no birds. Then went next door to the Sky Ranch - a motel & camp site. They have a fresh water pond with a fringe of tules. Heard Song sparrows & tule wrens. A number of Scaup & 1 or 2 Cinnamon teal on the water. It would require a boat to collect on this pond. Returned to camp in afternoon & put out a rail hunt in marsh at camp. We tied bees cane on 500 ft of ~~rope~~ rope & while 2 fellows pulled it across the marsh the gang walked in middle

Mar 29 1961

of rope & waited for a rail to flush. With this method we took 5 clapper & 1 Soya rails. Put up 3 more clapper & Soya that we didn't get. We were hoping to flush a black rail but no luck. Also flushed 1 yellow throat. Forgot to mention the Las Flores Ranch & Sky Ranch are some 12 mi. S on highway below the turn off to San Quintin. Beautiful day with very little wind for a change & sunny sky.

Thur. 30, 1961

We had heard so many stories of the huge numbers of clams along these beaches. So there was a minus tide at 2-3 P.M. and we decided to try our luck. The son of the local had read Mr. Veley offered to guide us to a good beach. The upper shoreline of this beach was covered with piles of empty of clam shells where people had emptied them. Well it was true alright - we took 3 doz. large Pismo clams in an hour. Mr. Veley prepared them for us & served a delicious dinner of fried clam cakes. He stated that commercial fishermen had taken as high as ~~as~~ 5 ton of clam meat in a single days haul.

W.C. Russell

Baja California, San Quintin Bay.

Mar 31 1961

This morning at low tide took a few shots and then spent day preparing sand pipers. Very easy collecting.

Cat. Page #1158
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W. C. Russell

May 1961 -
Nov 1961

Misc. catalogue
#13764 - 13772

W.C. Russell M.V.Z., Berkeley, Calif.

May 4 1961
acc 9932 (1)

13764 ♂ Passerina coronata 29.0 g.
Purchased about 6 years ago from Bakers Store in San Francisco. Died May 3. 1961. Rec. from Mrs. Mattieson, 1327 Wash. St. Albany. Bird very thin.

May 23 1961
acc 9936 (1)

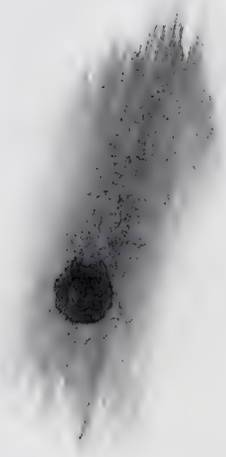
2 mi. S 8 mi. E Shandon, San Luis Obispo Co, Calif.
13765 ♂ Hepatic tanager (imm) skull not completely double layer.
Coll. Nov 8 1959 by Elbon McMillan in his yard as it was watering with some Brewer blackbirds.
Skull examined by G.H. Miller. Bird was in deep freeze all this time.

June 2 1961
acc 9937 (1)

5 mi. NE Santa Cruz, Santa Cruz Co, Calif.
13766 ♂ Stellar Jay testes 3 mm

Sept 11 1961
acc 9990 (1) 4 mo. old

5 mi. SE Woodland, Yolo Co, Calif.
+Skeleton
13767 ♀ Lepus californicus 520-90-125-122 wt. 1957.5 g.
This animal was accidentally stepped on while walking in an uncultivated field on the Conoway Ranch.



W.C. Rossell M.V.Z., Berkeley, Calif.

Sept 11 1961

acc 9990 (cont'd)

Our attention to the very small rabbit was directed to it because it squeeled loudly. No wonder for the femur of lt. leg was broken. Decided to try raising the animal so started feeding of diluted cows milk in a medicine dropper. Animal was fed green stuff, rabbit pellets and milk. Up to time it was made into a specimen it preferred milk to other foods. Never did have any water. Only milk twice a day. Pellets were before it at all times and greens usually once a day.

Animal was wild to handle but showed no fright when our cat or dog were near it. In fact it always came forward in cage to touch nose with dog or cat. When I put my hand in cage to catch it it would strike with both front feet. Never offered to bite. Animal caught on May 13 1961 and dispatched Sept 10 1961. Estimate age at capture 2-3 days. This specimen therefor is 4 mo. old. Skel. saved to show bone development at 4 mo.

Oct 2 1961

acc 9994 (1)

Merida, Yucatan

13768 ♀ Margay cat 771-330-110-50 wt. 5.0 lbs.

Rec. frozen - in good condition. Died Oct. 1961
Was a kitten in Mar. 1960.
From Mr. George Tearing, 1530 Linjate Drive, Santa Barbara.

Oct 11 1961

acc. 9859 (1)

Berkeley, Alameda Co, Calif.

13769 ♀ Poëphila gouldiae died Oct 9 1960

Rec. from J. O'Brien, 2666 Shasta Rd.
Egg in oviduct.

Oct 15 1961

not acc for class

13770 ♂ Sora Rail.

10 mi. SE Marysville, Yuba Co, Calif.
Coll. by David Middlekauf.

Oct 26 1961

acc. 10010 (1)

Lake Forrest, Lake Tahoe, Placer Co, Calif.

13771 ♂ Calcarius ornatus wt. 17.4 g.

Coll. Oct 15 1961 by Guy McCaskie.
Bird mutilated by .22 rifle probably.

→

Oct 26 1961

acc 10010 (1) contd

Letter from McCaskie to William F. Tobble stated the bird was on shore of Lake Tahoe in company with some Pipits.

Nov 23 1961

acc 10016 (1)

10 mi. S Marysville, Yuba Co, Calif.

13772 (intersex) Pheasant

Collected by Donald Miles. Brought in to M.V.Z. by A.S. Leopold.

W.C. Russell

Aug. 1960

British Columbia

Catalogue

#13773 - 13832

Journal

N.C. Russell

Cortes Is., Cortes Bay, Long 124°56'W Lat 50°4'N, B.C.
Aug 16° 1960 acc. 10067 (60 spec.)

13773	♂	Peromyscus	172-87-21-19
13774	♀	"	165-77-20-18
13775	♂	"	176-85-21-18
Skull only 13776	♂	"	179-85-20-19
13777	♂	"	176-85-20-19
13778	♀		165-78-20-18

Baker Is., Long 126°34'W Lat 50°45'N, B.C.
Aug 17 1960

Skull Only 13779	?	Sorex	118-55-12-7
13780	♀	Peromyscus	186-97-22-17
13781	♀	"	185-92-22-17
13782	♂	"	184-88-21-17
13783	♂	"	180-85-21-18
13784	♂		178-84-22-18
13785	♂	"	179-86-21-17
13786	♂	"	172-85-21-18

~~13787~~ Kingcome Inlet, Anchorage Cove, Long 126°12'W
Lat 50°54'N, B.C.
Aug. 18, 1960

Skull Only 13787	♂	Microtus	182-72-22-13
13788	♀	" 4 ends x 27 m m	200-77-23-15
Cranium Only 13789	?	Black Bear pick-up.	

C. Russell

Cracroft Is., Port Harvey, Long 126°16'W Lat 50°34'N, B.C.
Aug. 21 1960

13790	♀?	Sorex	117-50-13-8
13791	♀	Peromyscus	175-83-21-18
13792	♂	"	186-92-21-19
13793	♂	"	171-80-21-19
13794	♀	"	179-82-22-18
13795	♂	"	184-91-22-19
13796	♂	"	182-89-22-18
13797	♂	"	186-90-21-18
13798	♂	"	183-89-21-18
13799	♀	"	170-84-21-18
13800	♀	"	173-88-21-19
13801	♀	"	181-90-21-19
13802	♀	"	180-90-22-18
13803	♂	"	179-80-22-18

Phillips Arm, Long 125°21'W Lat 50°31'N, B.C.
Aug 22 1960

13804	♀	Peromyscus	174-89-22-17
13805	♂	"	165-83-22-17

Cortes Is., Von Donop Cr., Long 124°57'W Lat 50°10'N, B.C.
Aug 23 1960

13806	?	Peromyscus	159-78-20-17
13807	♂	Scirius	317-125-49-22
13808	♂	Screech Owl	
13809	♂	Pigmy Owl	

W.C. Russell

B.C.

Desolation Sound, Deep Bay, Long 124°42'W Lat 50°8'N,
Aug 24 1960

13810	♂	Screech Owl		
skel. only 13811	♀	"	"	
13812	♀	Microtus	milk glands.	210-81-22-13
13813	♂	"	testis 12 m m	193-74-23-14
13814	♂	Peromyscus		190-85-21-18
13815	♂	"		168-86-21-17
13816	♂	"		172-89-21-17
13817	♂	"		173-89-21-18
13818	♂	"		183-92-23-20
13819	♂	"		180-90-21-17
13820	♀	"		175-89-21-18
13821	♀?	Sorex		125-56-13-7

Princess Louisa Inlet, Long 123°46'W Lat 50°12'N, B.C.
Aug 25 1960

13822	♂	Peromyscus		168-88-21-17
13823	♂	"		165-82-21-17
13824	♂	"		165-83-21-17
13825	♀	"		175-86-21-17
13826	♀	"		182-100-22-16
13827	♂	"		181-96-21-17
13828	♀	"		180-96-21-16
skull only 13829	♀	"		160-75-22-17
skull only 13830	♂	"		173-88-22-17
13831	♀	Sorex		105-56-13-7
13832		Toad		

W.C. Russell M.V.Z. Berkeley Calif.

In Aug 1960 my wife & I and two other couples chartered a boat in Vancouver, B.C. for a two weeks trip cruising through the inland passage of B.C. From Aug 13-27 we traveled the length of the passage. Went as far north as Kingcome Inlet. At night we would anchor in various bays and usually I would row ashore and put out 25-30 mouse traps. At this time there was a high in the Peromyscus population, so that I took almost a 100% catch every night. The next day we would travel & I would skin mice enroute. All animals were measured, skinned, wired put in legs & tails and skins filled with table salt. The skins were then wrapped in cellophane sacks. Upon returning to M.V.Z. the salted skins were kept for future preparation. Well the future preparation didn't take place till the spring of 1962. The skins were thawed & all the salt rinsed out with running water. Very little salt on the hair side.

W.C. Russell M.V.Z., Berkeley, Calif.

Using this method I only lost 3 skins from slipping hair. One has to be very careful in putting the body into the skin. The hair is not too firm & can not stand excessive pulling. Best to have wires in but as skin had dried out long being frozen so long. A good method when one does not have time & facilities for making final preparation on the trip.

W.C. Russell M.V.Z., Berkeley, Calif.

May 1962
acc. 10044 (1)

Skel. Only
13833 ♂ Berkeley, Alameda Co, Calif. wt. 21.4 g.
Rec. from Dr. Kremers, 309 Vassar Rd. Berk.
A cage bird, flew into window, causing
blood clots in head. -

Berkeley, Alameda Co, Calif.
May. 1, 1960
acc 9792 (1)

13834 ♀ Dendroica nigrescens wt. 6.5 g.
Found dead - cold. unknown.
wt. probably light having been in freezer
for 1½ years. Prepared May 15, 1962.

Berkeley, Alameda Co, Calif.
May 7 1962
acc 10045 (1)

13835 ♀ Robin very thin wt. 62.0 g.
Found dead by Dan Jaugen
Partial albino

May 19 1962
43 mi. E Lutcher, St. James Parish, Louisiana
acc. 10047

Skel. only
13836 ♀ Guara alba
Rec. from Wade Fox
Pink spp.

May 16 1962

1 acc 10061 (1)

+Skeleton 1 mi. E Woodlake, Tulare Co., Calif.

13837 ♂ Canis 1470-370-240-110 wt. 52.5 lb.

ear from crown 90 mm

Shot Mar 22 1962 by Mr. David Bore.

Taken in chicken pen.

Lit Sys #1160
9

W. C. Russell

June 1962

Sacks Ranch,
Nevada

Catalogue

*13838-13933

Journal

W.C. Russell

June 3 1962

Snake Cr., 8400 ft., Snake Range, White Pine Co, Nev.

13838	♀	Citellus grammurus	5 emb X 10 mm 460-195-60-23	wt. 665.0 g.

June 4 1962

13839	♂	White-crowned Sparrow.	testis 10 mm	25.6 g.
13840	♂	Hermit Thrush	testis 10 mm	28.0 g.
13841	♀	Downy Woodpecker	ovum 2 mm. 9000 ft..	27.9 g.
13842	♂	Crossbill	testis 3 mm	no fat. 32.1 g.
13843	♂	Yellow-bellied Sapsucker	testis 8 mm	42.5 g.

June 5 1962

Snake Cr, 6600 ft, Snake Range, White Pine Co, Nev.

13844	♂	Lazulis Bunting	testis 8 mm	14.9 g.
13845	♀	E. hammondii ~~Wright~~ Fly Catcher	ova small in mm skull	fat 12.0 g.
13846	♂	Titmouse	testis 5 mm	16.2 g.
13847	♂	Flammulated Screech Owl	8600 ft. elev. testis 9 mm	55.7 g.

June 6 1962

13848	♂	Mt. chickadee	testis 8 mm	11.0 g.
13849		Creeper		8.8 g.

June 7 1962

Snake Cr, 9800 ft, Snake Range, White Pine Co, Nev.

13850	♂	Yellow-bellied Sapsucker	testis 6 mm	40.8 g.
13851	♂	Williamson Sapsucker	testis 6 mm	47.9 g.
13852	♂	Tree Swallow	testis 9 mm	14.9 g.
13853	♀	Crossbill	(one minute)	32.3

W. E. Russell Snake Cr., 8400 ft., Snake Range, White Pine Co., Nev.

June 8 1962

13854	♀	Red-headed Nuthatch	ovum 2 mm	11.3g.
13855	♂	" " "	testis 6 mm	10.5g
13856	♀	Yellow-bellied Sapsucker	Laying	50.0g.
13857	♀	Hairy Woodpecker	ovum 2 mm	59.3g.
13858	♂	Cooper hawk.	testis 10 mm	290.0g.

June 9

13859	♀	Thomomys	178-50-22-5	wt. 80.0g.

Snake Creek, 7000 ft., Snake Range, White Pine Co.

June 9 1962

13860	♂	Black-headed Grosbeak	testis 11 mm	46.6g.
13861	♂	Spotted Towhee	testis 14 mm	36.9g.
13862	♂	" "	" 10 mm	37.3g
13863	♂	Lark Sparrow	testis 12 mm	30.0g.
13864	♀	Cedar Waxwing	fat ovum 2 mm	32.0g.
13865	♀	Bush tit	Brood Patch	5.6.
13866	♂	Hairy Woodpecker	testis 4 mm	62.6

Snake Cr., 8400 ft., Snake Range, White Pine Co., Nev.

June 10 1962

13867	♂	Downy Woodpecker	testis 10 mm	26.8g.
13868	♀	" " pair	ovum 2 mm	25.4g.
13869	♀	Yellow-bellied Sapsucker	ovum 3 mm	43.5
13870	♀	Flammulated Owl	Broad patch beginning ovum 4 mm	57.3g

4 ovum enlarged.

S Fork Big Wash, 8400 ft., Snake Range, White Pine Co., Nev.

June 12 1962

13871 ♀ Golden-crowned Kinglet Brood Patch 5.5g
Lexington Cr., 8300 ft., Snake Range, White Pine Co., Nev.
13872 ♂ Sharp-shinned Hawk testis 5 mm 81.9g.

June 13 1962

13873 Cassin Finch 27.2
13874 ♂ Downy Woodpecker Brood Patch testis 7 mm 24.0g.
Head Lexington Cr., 9400 ft., Snake Range, White Pine Co., Nev.
13875 ♀ Flicker ovum 10 mm 146.0g.
13876 ♀ Hairy Woodpecker. ovum 9 mm 62.6
13877 ♀ Bewick ovum 1 mm 12.4g
Lexington Cr, 8300 ft, Snake Range, White Pine Co., Nev.
13878 ♀ Warbling Vireo ovum 3 mm 11.3g

June 15 1962

13879 ♂ Audubon Warbler testis 8 mm 11.2g.
13880 ♂ Mt. Bluebird testis 12 mm 28.0g.
13881 ♂ Red breasted Nuthatch testis 6 mm 10.0g.
13882 ♂ House Wren testis 6 mm 9.0g.
13883 ♀ Western Tanager ovum 6 mm 33.3
13884 ♂ " " Testis 10 mm 29.0g.
13885 ♂ Lutescent Warbler testis 5 mm 9.0g.
13886 ♀ Sharp-shinned Hawk Brooding eggs. 198.3

June 16 1962

13887 ♀ Chipping Sparrow. Brood Patch 11.9g

S Fork Big Wash, 8400 ft, Snake Range White Pine Co
June 17 1962

13888	♂	Virginia Warbler	testis 7 mm		8.3g.
13889	♂	" "	" 8 mm		8.1g.
13890	♂	" "	" 7 mm		8.2g.
13891	♂	" "	" 8 mm		9.0g.

Lexington Cr, 8300 ft, Snake Range, White Pine Co
June 18 1962

13892	♀	Williamson Sapsucker	Brood Patch		43.5
13893	♂	" "	testis 5 mm	" "	48.2
13894	♂	Stellar Jay	testis 10 mm		116.3g.
13895	♂	Hermit thrush	" 8 mm		29.8
13896	♂	Creeper	testis 7 mm		8.3

Lexington Cr, 6700 ft, Snake Range, White Pine Co
June 19 1962

13897	♂	Robin	testis 15 mm		
13898	♂	Black-headed Grosbeak	testis 13 mm		
13899	♂	Spotted Towhee	" 11 mm		40.0
13900	♂	Gnatcatcher	testis 5 mm	pair	5.5g
13901	♀	"	ovum 6 mm	pair	7.0g
13902	♂	Virginia Warbler	testis minute		9.2g
13903	♂	Chipping Sparrow	" 12 mm		12.2g

June 20 1962
Lexington Cr, 8300 ft, Snake Range, White Pine Co, Nev.

13904	♀	Evening grosbeak	ovum 2 mm no fat		48.4
13905	♀	Warbling Vireo	Brood Patch		12.7
13906	♂	Downy Woodpecker	testis 6 mm		25.0
13907	♂	Flammulated Owl	testis 6 mm		53.9g.

June 22 1962

Strawberry Cr., 8500 ft., Snake Range, White Pine Co

13908	♂	Blue bird	Brood Patch	30.0
13909	♂	Williamson Sapsucker	testis 7 mm Brood Patch	55.6
13910	♂	Yellow-bellied Sapsucker	testis 7 mm Brood Patch	49.0g

Lehman's Cr, Snake Range, White Pine Co., Nev.

June 23 1962

13911	♀	Hairy Woodpecker	Brood Patch Laying	52.7g.

Strawberry Cr, ~~8mo~~ 8500 ft, Snake Range, White Pine Co, Nev.

June 24 1962

13912	♂	Crossbill	testis 3 mm	34.8
13913	♂	Lazuli Bunting	" 8 mm	16.2g.
13914	♂	Leutescent Warbler.	" 7 mm	9.2g
13915	♀	Flycatcher = E. oberholseri	Incubating	13.0g
13916	♂	House Wren	testis 5 mm	10.3g
13917	♀	Siskin	Laying	14.5g
13918	♀	Black-headed Grosbeak	Brood Patch	50.7
13919	♂	Cassin Purple Finch	testis 9 mm	26.0
13920	♂	Red-breasted Nuthatch	" 5 mm	10.4

June 25 1962

Sacramento Pass, 7164 ft., Snake Range, White Pine Co, Nev

13921	?	Sage thrasher		40.0g
13922	♀	Scrub Jay	old Brood Patch	78.0g.

Lexington Cr., 6700 ft, Snake Range, White Pine Co., Nev

13923 Gates Snaker

Strawberry Cr, 8500 ft. Snake Range, White Pine Co, Nev.

June 26, 1962

13924	♂	Vesper Sparrow	testes 11 mm		24.2 g.
13925	♂	" "	" 12 mm		24.0
13926	♂	Lazuli Bunting	" 9 mm		14.7 g
13927	♀	" "	Laying	Brood Patch	18.0
13928	♀	Crossbill	cranium softish	ova minute	30.0 g
13929	♀	Poorwill	ovum 4 mm		50.0 g.

June 27 1962

+ body Skel. 13930	♂	Grouse	9000 ft.	testis 10 mm	1169.0 g.
13931	♂	Stellar Jay		testis 4 mm	103.5 g
13932	♂	Robin		" 15 mm	75.6 g.

Lexington Cr., 6700 ft., Snake Range, White Pine Co., Nev.

June 21 1962

Skull Only 13933	?	Gray Fox	pickeye.

W.C. Russell

June 2 1962

Left Berk with Ted Johnson in the new GMC truck. This is its first trip. Bound for Wheeler Peak area of Snake Range in Nevada. Left at 6 P.M. - went via highway 40 to Reno where we changed oil & got fresh vegetables. On to Ely arriving at 8 P.M. where highway crosses Ruse River W of Austin saw 1 American Egret. In Eureka we saw Starlings on the buildings facing the main street. Wheeler Peak has a heavy mantle of snow. Still down to around 8500 ft. Fine snow. Weather cool - broken clouds & threatening rain in spots. In fact it sprinkled in Ely at 9 P.M.

June 3 1962

Left Ely & drove to Baker then south & took road up Snake Creek. They are putting in a pipe line up Snake Cr. Cement pipe some 18" diam. to bring water to valley. They say the stream just goes into a shale, leaving very little by time it reaches valley. Had some trouble getting past equipment left parked in middle of road over week end.

Made camp at 8200 ft. in aspen that are not fully leafed out yet. Aspens a 1000 ft. higher still bare as leaves.

W.C. Russell

Snake Cr., 8400 ft., Snake Range, White Pine Co., Nev.

June 3, 1962

The canyon of Snake Cr has several branchs all of them with very active streams as there is a heavy snow pack. There are extensive aspen groves in the bottom made up of trees as large as 12-15" diam & 50 ft. high. The N facing slopes are covered with dense stands of aspen & white fir. The S facing slopes have immense stands of Mt. Mahogany. Have encountered a few small patches of manzanita. And of course Sage brush, every place that lacks trees. The stream side has clumps of willow & wine sask.

Took a Citellus grammurus up off the ground in the face of a willow clump. This animal was very tame, often times they are wary, in fact took her with a 38 cal. She had 5 emb x 10 mm. I have noticed in past at times that pregnant rabbits were not as prone to dash off. The squirrel had no fat.

Deer sign plentiful between Johnson & I we saw 18 most in winter coat yet. Bucks in velvet.

June 4 1962

Rained & snowed a bit last night. Arose at 5:30 A.M. & the camp was cocked in —

W.C. Russell Snake Cr., 8400 ft.; Snake Range, White Pine Co., Nev.

June 4 1962

we were in the clouds. Only 3-400 ft. above camp the snow had frozen - every bush & tree had a white coat - beautiful sight ~~on~~ as the sun broke through the clouds. Didn't see any deer but fresh tracks were numerous.

This is a peculiar place in that some birds associated with these altitudes seem to be absent. For example, haven't seen or heard a Stellar Jay, Hairy Woodpecker Creeper, or Nuthatch!

Was surprised to find a Downy Woodpecker in a mixture of Mt. Mahogany & White fir. It was at 9000 ft. and on a slope 100 yds. above a very small stream.

The crosshill taken to-day was a lone bird sitting in top of fir giving the sharp single note. The 3 White-crown taken was singing in a willow clump in small meadow at camp. No other could be found. Hermit thrushes are plentiful. They are singing but you see them in two's hopping on ground out in open at edge of timber. Got a flash of a goshawk through aspens - no shot.

Snowed a bit in forenoon but now in late afternoon has cleared off.

W.C. Russell

Snake Cr. 8400 ft, Snake Range, White Pine Co., Nev.

June 4, 1962

There is a robin nest in a white fir tree 5½ ft. high - the nest is 3' above the ground. The tree is 25 ft. from our fireplace. Both birds came in with a load of worms - they fed and then the ♀ settled down on the nest. Now 7 P.M. daylight time & getting nippy.

So far I haven't seen a golden-mantle ground squirrel & only 1 chipmunk.

Ned & I tried to start the Flammulated Owl he saw & heard last night but no luck. Fine quiet night - not cold - bit of overcast but couldn't get a sound from it.

Ray Alcorn of Fallon arrived in camp - we thought to spend a few days with us. He had intended to do some small mammal trapping for specimens to form a display case for the Fish & Wildlife Service. He asked in the City office of Nev. Fish & Game if it was O.K. to set out mouse traps without a permit & they said No! He is employed by Fish & Wildlife Service on predator and rodent control work. Though he can kill thousands of rodents with poisons he cannot save them as scientific specimens. Sounds idiotic doesn't it.

W.C. Russell Snake Cr., 8400 ft., Snake Range, White Pine Co., Nev.

June 5 1962

This morning early Alcorn left since he couldn't do any trapping. I drove to Baker & called the Nev. Fish & Game in Ely telling them where we were camped. This was done since they were so generous to give us a permit to take 4 grouse. Actually one is supposed to call in after cooking said grouse in a tree. Usually though the bird won't sit still while ones helper drives 40 mi. to nearest phone.

Stopped down canyon on return from Baker and hunted for awhile along cottonwoods willows along stream and east in adjacent juniper, piñon slope. Heard several Spotted towhees in streamside thickets. Did not see any woodpeckers. Saw several bushtits in Piñons & took the one Titmouse that was singing all over the place but was hard to approach. (E. hammondii)
The Wright fly catcher was in willows along stream. This bird's skull was not closed & bird very-very fat. Not a live rabbit seen all day. One or two killed on road. They are definitely down in numbers. Not a chipmunk or Golden-mantle seen.

A dusk Ned & I drove up road above camp to around 8800 ft. with intention

W.C. Russell | Snake Cr. 8400 ft., Snake Range, White Pine Co., Nev.

June 5 1962

of calling for dusk. There was a quarter moon that duly stayed up for about the first ½ hr. of darkness. While still light enough to walk any place without a light and almost immediately after we started calling, a Flammulated Owl answered. He was off some distance & the intervening timber & brush was thick. Then he quit calling so we gave it up. In next 1½ hr. we took two Flammulateds both in white fir & aspen. In fact both flew to our calls & sat in aspens.

June 6 1962

Thought I knew better, started out this morning to hunt grouse. Will the usual ending to such manuvers, I ended up with no grouse and not much else. Used the caller several times and once had two bucks come from a Mt. mahogany thicket some 200 yds. away. They crossed an open sage slope and came up to 60 yds of the spot where I was hiding. Saw 13 deer to-day including a very small wobbly legged fawn. It uttered a faint bleat as it staggered off.

Am fairly certain I shot at an evening grosbeak. In top of tall tree against the

W. C. Russell

Snake Cr., 4800 ft, Snake Range, White Pine Co., Nev.

June 6 1962

sky I couldn't make out color. But the silhouette & note were right. Saw, White-throated Swift. Pigmy Owl calling does not stimulate small bird resp much. As yet have not had an owl answer. Saw 1 Flicker & 1 Hairy Woodpecker. Curious thing but bird life is not plentiful per acre, and individuals of most species are definitely in small numbers. To-date have not seen a carnivore track or dropping.

Weather clear most of day but has clouded up in late afternoon & with a breeze it's cold. Though it doesn't freeze H2O at night it's a bit uncomfortable.

June 7 1962

Drove up to 9800 ft where the road is blocked by snow & down trees & then walked on up to Johnson Lake at 10,800. The purpose was to look for Rosy Finches. Have saw or heard one. The lake lies at the foot of a cirque and looks pretty good for Rosy Finches. However there is one feature this area lacks and that is meadow like swings of grass. The place just looks sterile. Certainly there is no vegetation around the rock slides to support Conys.

W.C. Russell

Snake Cr., 8400 ft., Snake Range, White Pine Co., Nev.

June 8, 1962

Hunted on the Fir slope S of camp. Saw 1 Stellar Jay and it was looking around out in the Ltd. mahogany. Took a pair of red-breasted nuthatches that were quietly feeding out on the ends of the limbs in the white fir. They acted more like Pygmy Nuthatches. Killed the only Hairy Woodpecker I have seen so far. Sat down in the fir & aspen grove and started squeeking and immediately a S Cooper hawk came swishing down the slope. He pulled up when he realized his error but it was too late. I repeat not a sign of a Golden-mantle ground squirrel. An interesting example of plant succession here are the stands of aspen with a fairly uniform stand of young white fir beneath. In different areas the firs are different sizes. Usually though for any given stand they are all about the same age. So far we haven't seen a single bat. In fact this would be a good place to make a bug list of things we haven't seen.

W.C. Russell

Snake Cry 8400 ft; Snake Range, White Pine Co, Nev.

June 9, 1962

Hunted down stream around 7000 ft. level. Worked on birds in cottonwoods & willows. The water makes so much noise it's difficult to hear them. Never saw a jay out in Piñons but did find an old nest that looked like a jay nest in a piñon. Warbling vireos a plentiful but such birds as Spotted Towhees & Black-headed Grosbeaks are very widely spaced. Seems as though the available habitat is not all being utelized. The cedar waxwing taken was in a willow along stream & was alone. There were numerous woodpecker holes & many were thumped by with rocks from a sling shot nothing emerged. The hairy woodpecker taken was only woodpecker seen.

Had visit from game warden Mr Bud Dale. He said Nev. Fish & Game was opposed to the Wheeler Peek area being made into Natl Park on grounds it will allow an already large deer population to grow & further deplete the already overgazed winter grounds. Or they would not be opposed if the Nev. outfit could be in charge of fish and game.

N.C. Russell Snake Cr., 8400 ft., Snake Range, White Pine Co., Nev.

June 10 1962

Hunted in the vicinity of camp to-day. Took a pair of Downy Woodpeckers in a pure stand of smallish aspens. Trees 4'-6" in diam & 30 ft. high. They gave a few notes but for most part these & all other woodpeckers are very quiet. Found nest of Brwn-tailed Towhee 18" off ground in a fir about 3' high. This was on a logged slope where there was manzanita, Ceanothus, aspen & some white firs. Used caller quite a bit and had one doe come on the run at me. They have new fawns now and are easily disturbed. Even when I waved my hat at her she stayed within 60 yds. of me. Have been trying to call in a goshawk but no luck yet. Weather is really warming up now. So far we have not seen a single bat.

June 11 1962

Broke Camp and drove to Lehman Cave to inquire about timber in Baker & Lehman Creeks. Met a rangers at the Monument by name of Frazier, a former M.V.Z. student. He reported Gray Finches at the Monument 4 weeks ago. He also said they had been reported on the glacier on Wheeler Peak in the summertime.

N.C. Russell

Lexington Cr., 8300 ft., Snake Range, White Pine Co., Nev.

June 11 1962

They reported more Yellow Pine in either Big Wash or Lexington Creek so we drove to the above locality and made camp. This is at an abandoned mine. Here the timber is mostly white fir with usual aspens in the draws. Tis uncanny with such beautiful surroundings and so quiet as far as bird songs go. There simply are not many individuals. Ned went owl hunting, had 3 Flammulateds answer but no shots. The moon is bright now and my theory is this is not so good. Either they don't answer or if they do they stay in the dense Fir where one can't get a sight on them.

June 12 1962

Hunted over to bottom of Big Wash. Got into a fair stand of Yellow Pine but that didn't help any in finding birds. From top to bottom of Big Wash on S side, the N facing slope the timber at top is a mixture of Yellow Pine & white fir. Half way down or so the Yellow Pine quits. and in the lower part the white fir is mixed with Douglas fir. Aspens along the stream.

The sharp-shinned hawk was taken flying above sage brush on the ridge between

W.C. Rossell Lepington Cr, 8300 ft, Snake Range, White Pine Co, Nev.

June 12, 1962

Big Wash & Lepington Creeks. The Golden-crowned kinglet was taken in white fir half way down slope of S Fork of Big Wash. The topo sheet shows a trail from camp on Lepington Cr to Big Wash. This is now a road. I traveled the road to & from Big Wash. Saw 1 Crossbill. No sign of Jays.

June 13 1962

Hunted to high ridge W of camp this A.M. At about 9000 put out a very small fawn. Also came upon 2 lion tracks in a small snow bank. Was looking for Swifts and Solitaires but no luck.

June 14 1962

Went to Ely today to meet Gene Christman & Ron Church. Then Ned Johnson returned to Bush. The boys returned to camp with me. ~~Weather has changed and now is cloudy.~~ Clouded up to-night to cover the moon so we tried for Flammulated Owls. There was still some light from the moon. For no explainable reason we couldn't start a single owl.

June 15 1962

Cloudy in morning - started to rain in afternoon. Was climbing among rocks on ridge with small white fir

W.C. Russell Lexington Cr, 8300 ft; White Pine Co, Nev.

June 15 1962

among the beetles. Flushed a grouse from a fir tree. First grouse I've seen on this trip. Was passing through a dense grove of smallish aspen with a few firs mixed in. Found a sharp-shinned hawk nest 12' above ground in a 25' fir. There were several wing feathers of a Clark crow scattered about beneath the nest. This is what first attracted my attention. There was no bird in sight so I gave a couple of squeeks and the ♀ immediately came in and perched nearby - giving one call as she arrived. There were 4 eggs in nest & she had a 15 mm ovum. The brood patch skin was swollen and there was conciderable fat in the area.

June 17 1962

Hunted on the S facing N slope of the S Fork of Big Wash. This slope has very extensive area of Mt. Mahogany. Virginia Warblers were numerous. The ♂s responded well to squeeking. Saw a Spotted towhee on this slope. Heard Stellar Jays 3 time. Have no idea if it was one bird or more. These Jays act very strange. One cannot approach them as they are always on the move and calling. One of these was heard way up on the slope in Mt. mahogany.

W.C. Russell

Lexington Cr, 8300 ft, Snake Range, White Pine Co., Nev.

June 17, 1962

The golden-mantle ground squirrels have come out in last 2 days. Now they are all over the camp.

Saw 1 Golden Eagle at head of S Fork of Big Wash. Jumped 1 doe in the Mt. Mahogany.

June 16.

Snowed 2-3 in. during night of 15-16. Beautiful sight early in the morning. In afternoon it rained so by morning of 17th. most of the snow was gone.

Temp at 6 A.M. June 17th was 32° at camp. Clear in early morning with cumulus clouds in afternoon. No showers here at least.

June 18, 1962

Made a climb to ridge N of camp, 11,000 ft. Heard 2 or 3 Nutcrackers but couldn't get a shot. Found some fresh grouse tracks in snow around 10,000 ft but never could see a bird. Saw & heard very little eye sight. No Solitaire heard or seen. Audubon warblers & Cassin Finch & Siskin were ~~present~~ common on ridge. Had just stepped out of camp to start my climb when a Stellar Jay let out a squawk. I managed to lead him & finally took him. Kicked out about a dozen deer, several bucks, all in velvet. The deer are coming

June 18, 1962

into summer coat this month. In fact when we arrived June 2 they still were in winter coat. Now most of them are in red summer coat. Was practically back to camp from high ridge & came on a pair of Wilsonia pusillas feeding quietly in a dead tree. Took both & spent ½ hr. getting the ♂ down with a sling shot. It was stuck high up on trunk of dead fir. Managed to crack two knuckles with a back firing large misshapen rock & had no business trying to shoot.

June 19 1962

We drove down stream to 7600 ft and spent 3 hrs. along streamside in willow thickets. We were trying to get Tolmie Warblers - but didn't succeed though the bird is present. Curious thing saw no yellow or pileolated Warblers. Heard 1 scrub jay & the boys connected on them.

June 20, 1962

Hunted through timber above camp & it was very slow. Took another Downy Woodpecker in mixture of white fir & aspen. This bird does not seem to be along

W.C. Russell Lexington Cr, 8300 ft. Snake Range, White Pine Co., Nev.

June 20 1962

cottonwoods at lower elevations along the creek. Was poking along creek among aspens near camp and took a ♀ Evening Grosbeak. Her gonads were not dormant - largest ovum 2mm.+ She had absolutely no fat. Looked like she was getting ready to breed. It's a question however.

Went into a new area of timber to try for Flammulated Owls as the moon is coming up late - around 11 P.M. In no time started 2 calling but simply could not see them in dense fire. Finally after more than an hour I came out on an exposed branch of a fir + he was taken.

June 21 1962

Moved camp to-day to Strawberry Cr. Have no map of the area so can't at this time give elevation. The usual plant association. Aspen along creek, white fir forests on N facing slopes + Mt. Mahogany on S facing slopes. Sage brush on open flats + slopes.

June 22 1962

Well we are making results on Wheeler Peak area + still trying to get to possible Red Finch country

Strawberry Cr., 8500 ft elev. Snake Range,
White Pine Co., Nev

June 22 1962

This morning Early Ron Church & I drove up the new road that is being constructed from Lehman Camp Ground to Stella Lake. That got us exactly no-where. The road ends high on the mountain side in a huge Pacing area of Mt. Mahogany 6 mi. from Stella Lake. No sense in starting to hike from end of road. Road will be completed to Stella Lake next year. So we drove back to camp & started to hike up to snow on Baldy. This is some 3-4 miles & got up to 9-10 000 ft & were in snow knee deep - with no Rosy Finches. Now we will assault Stella Lake to-morrow by 5 mi Lehman Cr. trail. Ok my aching legs.

June 23 1962

Have been to Stella Lake. This park when established will have one distinction. It will be the national park most nearly devoid of bird life. We saw practically nothing on the 10 mi. of trail & scarcely any thing at the lake. Least of all Rosy Finches. Ron tried to get to glacier but was stopped by deep snow. We glassed the glacier

W.C. Russell | Strawberry Cr., 8500 ft. Snake Range, White Pine Co., Nev.

June 23 1962

for some time but no activity. We left car at 6:20 and made Stella Lake at 8:20. The sign says 5 mi. & its all up. There is a fair meadow at the lake but only sage & and occasional small fir around meadow. Not a single bird on meadow. A pair or 2 of Mt. Blue birds, occasional pair of Juncos, good number of siskins & chipping sparrows. Heard a few ruby-crowned kinglets & that was it. Never heard a nuthatches or a swift. Very disappointing trip. Heard 1 Stellar Jay on way up. Saw 1 pair of Williamson Sapsuckers & 1 pair of Yellow-bellied Sapsuckers on trip up. Is possible there could be a few Rosy Finches on Wheeler but certainly the place is not crawling with them. Heard an occasional redpoll too.

June 24, 1962

Hunted along creek near camp. This is a mixture of willow-thickets, aspen, sage & scattered white fir. ± 13915 Flycatcher was observed on nest, with 4 eggs. Nest in crotch of a willow 7' above ground. Willow was one of several clumps in a small meadow between aspen patches. Nest contained 4 white eggs

N.C. Russell | Strawberry Cr, 8500 ft., Snake Range, White Pine Co., Nev.

June 24 1962

Nest was made of white shredded bits of aspen bark. Lining was a dark finely shredded darker bark & a few small feathers mixed in.

Heard several Tolmie warblers singing but difficult to get a shot in dense thickets & more difficult to find a bird if killed. Heard 2 White-crowned sparrows singing & muffed both of them.

Found several large aspen -12"-14" diam freshly cut & felled by beaver.

We seem to have a family of weasels living right in camp. Christman first saw an adult across creek from tent in afternoon. In evening we watched 2 youngish appearing animals playing in same area. By time it occurred to us to try catching them alive they disappeared. Dex should be close by.

We are commencing to see crossbills in flocks now. This was not true when we arrived. At 1st of month only single birds were seen.

Strawberry Cr., 8500 ft., Snake Range, White Pine Co., Nev

June 25 1962

Left camp early this A.M. & drove to Sacramento Pass, which is where the Ely to Baker highway goes over the low N end of the Snake Range. On June 3 Ned Johnson & I stopped in this pass, 7154 ft., to listen for birds & Ned heard Gray Flycatchers. So to-day we went there hoping to find this flycatcher. Neither Jean Christmas or myself ever heard or saw any flycatcher. Don Church said he saw one flycatcher, shot at it & missed. At last no one heard the call of a single gray flycatcher. It seems as though every place we go is quieter than the one before. It was deathly silent. I climbed a high hill, juniper & pinon & did encounter a Clark crow, no shot. Could hear an occasional Wood housejay but they were cagey. The one taken was in such poor plumage as to be almost worthless. Started hunting at 6 A.M. and didn't fire a shot till 8 A.M. when I got the jay. There were a few Black-tails & Black-throated gray Warblers. Heard a couple Spotted Towhees. Took 1 of a pair of Sage Thrashers - the only ones seen

N.C. Russell Strawberry Cr., 8500 ft., Snake Range, White Pine Co., Nev.

June 26 1962

Hunted down stream & up on N. facing slope. Hunted through beautiful country mixed aspen & white fir thickets with small grassy well watered meadows. Thoroughly expected to find something good but no soap. Just the usual warbling vireos, chipping sparrows & and occasional robin. This is one of the finest seasons from stand point of water, grass & wild flowers but bird population is very low. Have not seen a single golden-mantle ground squirrel in this canyon. Will not see a doz 2 chipmunks in a mornings hunt. The Lazuli buntings taken are in or around patches of choke cherry. The Vesper sparrows were taken on open sage slopes. The sage is very low not a lush growth as is found on bottom land. Last night we caught a young weasel in a box trap in camp. Yesterday we saw 2 young to-gether, to-day no sign of the other young one.

→ see next page.

W.C. Russell Strawberry Cr, 8500 ft, Snake Range, White Pine Co., Nev.

June 27, 1962

Left camp at 6 A.M. intent on collecting a grouse. Morning dawned with a heavy wind. Figured the birds would be tucked away high on a ridge just down on the lee side out of the wind. Sure enough, put up 2 roosters from five trees in just such a location. Saw a sight that sounds a bit strong. I saw 31 deer - 27 of which were bucks. Kicked out 22 bucks in one bunch. No large antlers in the bunch but 1 deer had a body the size of a steer. Oh yes back to the grouse. This bird had a crop full of pine needles.

June 28 1962

Hunted for grouse to-day but no luck.

June 29 1962

Returned to Berkeley. Takes 12 hrs. from Ely to Berk.

Note on weasel # 13939

Animal kept 2 yrs. in cage in my room. It turned some white first winter & a much larger percentage white the second winter. In fact second winter was about 75-80% white. Noticeable white in Nov. & back to brown by Mar. Injury caused death. Testis visible in Apr 1963.

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W.C. Russell
July 1962
June 1964

Misc. catalogue
#13934 - 13954 13969

GSB
1/15/14

W.C. Russell

M.V.Z., Berkeley, Calif.

July 1962
acc. 10078 (1)

Smithton, Tasmania, Australia

+ Skeleton
13934 ♀ Isoodon obesulus — W. at. capture 2lb. 14 oz. — 477-125-65-33 died 717.5 g.
Caught May 11 1962 by George Heinsohn
Died at M.V.Z. June 5 1962

Aug 1 1962
acc 10079

Sutcliffe, Pyramid Lake, Washoe Co, Nev.

13935 ♂ Sea gull — testis 5 mm — May 15 1962 — 665.0 g.
13936 ♀ Sea gull — ova very small — 378.5 g.
~~Coll. by~~

13937 ♂ Burrowing owl — Nov 11 1961 — 1 mi. S Pyramid Lake, Nev. — 153.6 g.
13938 ♀ Starling — Mar 16 1962 — Fernley, Lyon Co, Nev. — 72.3 g.
Coll'd by V. K. Johnson

acc 10072

~~13932~~ Strawberry Cr, 8500 ft, Snake Range, White Pine Co, Nev. — Part white in winter
13939 ♂ Weasel — caught June 25 1962 died June 8 1964

Sept 24 1962
acc. 10097 (1)

Pajaro River, 1 mi. SW Sargent, San Benito Co, Calif.

13940 ♂ Horned Owl. — 880.0 g.
Pickup Sept 18 1962 by A.H. Miller
Bird very thin.

W.C. Russell M.V.Z., Berkeley, Calif.

Oct 22 1962

acc 10088 (5)

Mouth Little Truckee River, Eldorado Co, Calif.

13941 ♀ Common Tern medium fat. Aug 11, 1962 119.7g.

Al Tahoe, Lake Tahoe, Eldorado Co, Calif.

13942 ♂ Sanderling Aug 8 1962 52.5g.

13943 ♀ Snowy Plover very fat Aug 8 1962 36.8

Westgard Pass, Inyo Co, Calif.

13944 ♂ Solitary Vireo testis large. coll. July 14, 1962 14.5g.

Cagleville, Modoc Co, Calif.

13945 ♂ Back & White Warbler June 30 1962 no wt.

Above specimens coll. by R. Guy McCaskie.

Birds shot up badly.

Nov 12 1962

acc 10109. (1) specimen

Chaffin Ranch, 6 mi. N Oroville, Butte Co, Calif.

13946 ♀ Duck (largest ovum 2mm) Gutted Weight 1635.0g

Coll. by L. M. Talbot on Nov. 11. 1962.

Rec. as fresh carcass but had been gutted & feathers picked off the belly. He said "Taken from a flock of coots, mallards & Ruddy ducks."

Legs & feet bright yellow

Lower mandible dirty yellowish white

Upper mandible pale gray & flesh color, possibly already faded.

N.C. Tissell M.V.Z., Berkeley Calif.

11.

April 17 1963
acc 10154 (1)
Malaya

Skeleton only
13947 ♂ Macaca nemestrina nemestrina
740-220-167-42 wt. 11.4 Kilo

Rec. at Physiology dept. Jan 22 1963
Died April 12, 1963

May 3 1963
acc 10133 (2)
Oakland Park Dept, Lake Merritt, Calif.

skin+skel.
13948 ♂ Squirrel monkey?
486-300-61-23 wt. 168.2g

13949 ♂ Monkey
779-474-114-25-wt. 1564.8g.

Rec. from John R McCasty
Died in captivity Rec. Jan 10 1963

June 24 1963
acc 10177 (1)
Mays Canyon, 1¾ mi. S E Guerneville,
Sonoma Co, Calif.

13950 ♀ Myotis evotis
84-41-8-19 Tr.10 wt. 5.3g

Rec. from Ray Bruhn -2137 23rd. Ave. Oak.
Found on side of cabin June 23 1963

June 26 1963
acc 10178 (1)
Point Reyes, Marin Co, Calif. Mendoza Dairy Ranch.

13951 Black + White Warbler
10.8g.
Coll. May 28 1963 by Richard Stallcup ♂ 6227
Buenaventura Ave. Oakland.

J.C. Russell M.V.Z., Berkeley, Calif.

July 2 1963
acc 10194 (3)

Pine Canyon, Mt. Diablo, Contra Costa Co, Calif.

13952 ? White-throated Swift yg. 22.0g.
13953 ♂ " " " yg. 24.3
13954 ? " " " yg. 23.0

Rec. from R.L. Usinger. Birds appear 2 weeks old when killed on July 2 1963.

July 8 1963
acc ( )

Ore. St. Hwy. 62 opp. Tecumseh Spring, 3.2 mi. S, 2.6 mi. E Fort Klamath, 4200 ft., Klamath Co., Ore.

13955 ♂ Red Eye Vireo testis 10 mm 18.4g.

W side Upper Klamath Lake, 12 mi. S, 4 mi. W Fort Klamath, 4150 ft., Klamath Co., Ore.

13956 ? Bay breasted Warbler 12.2g.

July 29 1963
acc 10186 (1)

7 mi. W Sacramento - 4 mi. E Woodland, Yolo Co., Calif

13957 ♂ Indigo Bunting testes 9 mm 15.4g.

Coll. by R.W. Stallcup July 28 1963

W.E. Russell M.V.Z., Berkeley, Calif.

Aug 6 1963
acc 10187 (3)

Madacascar

Skel. only 13958 ♀ Mammal 217-85-32-18 —
Skel. only 13959 ♀ " 505-230-74-32 —
Skel. only 13960 ♀ " 485-255-54-22 —

Rec. as rotten carcases - had to soak in water in order to take measurements. from S.L. Washburn of Anthropology.

Aug 7 1963
acc 10191 (2)

Captive Animals

Skin+Skel. 13961 ♀ & Rhesus died July 30 1963 664-240-137-43
Skin+Skel 13962 ♂ Aotus " Aug 2, 1963. 600-355-85-26 wt. 382.5

Rec. from L.L. Layton, U.S. Dept Ag. Western Regional Research Lab, Albany, Calif.
Captive animals kept from dealer.

Sept 26 1963
Acc. 10216 (2)

Near summit (W. side) Mac. Kengie Pass, Lane Co, Ore.

Skel. Only 13963 ♂ Martes caurina summer 1961 375-190-86-42

measurements on taw side due to being in formalin
Near Myrtle Creek, near Roseburg, Douglas Co, Ore.

139645 ♂ Lynx rufus Spring 1962 725-152-165-75 —

Marten in formalin
Wild Cat frozen

from John Cosgriff of Paleo.

W.C. Russell M.V.Z. Berkeley, Calif.

Oct. 21, 1963

acc 10234 (2)

10 mi. NW Baker, approx 6400 ft. White Pine Co, Nev.

13965 ♂ Horned Owl pickup Oct 17 1963 783.6g.

Found dead on highway.

Snake Cr, 8500 ft, White Pine Co, Nev.

13966 ♂ Sylvilagus coll Oct 15 1963 340-53-90-62 —

Specimens taken on a deer hunt.

This hunt will be known as big flop.

Woody Middlekauf, Jerry Russell & I hunted in Snake Range 4 days and never fired a shot.

Oct 24, 1963

acc 10206 (3)

Sutcliffe, Pyramid Lake, Washoe Co, Nev.

13967 ♂ Lobo coll. Apr 2 1963 —

2 mi. N Nixon, Washoe Co, Nev.

13968 ♀ Burrowing Owl Aug 14 1963 wt. 140.5g

Wadsworth-Fernley Underpass, Washoe Co, Nev.

13969 ♂ Barn Owl Jan 28 1963 —

Rec. from V. Kay Johnson of Nev. Fish & Game.

RC Russell MVZ Berkeley, Calif.

Nov. 8, 1963

acc 10266 (3)

1 mi. S - 8 mi. E Shandon, San Luis Obispo Co, Calif

13970 ♂ Prothonitary Warbler coll. May 22 1963 very fat testes 5 mm wt. 14.2 g.

Coll. by Eben McMillan. His note stated "bird was singing similar to yellow warbler but slower & a bit lower pitch.

2 mi. SW Granite Station, Kern Co, Calif.

Skeleton 13971 ? Gymnogyps californianus

Found dead Aug 11 1960 by Mrs. Dorothy Albitre.

Bird rec. as a dry carcass with feathers & skin intact - no muscles or viscera left. Muscles on head still in place Judging from feathers it was not in adult plumage.

I cooked carcass and attempted to bug the head. After a few days in bug soup - had examined & there were thousands of dead beetles in the box. Practically no meat had been eaten. A large sample of these dead dermestid beetles was sent to Davis for analysis, to determine the poison.

A note from the McMillan Bros is included in the box of bones. A resume of said note is entered

W.C. Russell M.V.Z., Berkeley, Calif.

Nov. 8, 1963

acc 10266 (cont'd)

here. Mrs. Dorothy Albitre found bird dead while she was poisoning squirrels, 2 mi. SW Granite Station, northern Kern Co., on Aug. 11, 1960. Granite Station is 23 mi. NE Bakersfield. It remained in yard of Carl West, (man in charge of property where bird was found) until May 22 1961. Mrs. Margaret Brown then removed it to her home, 7 mi. N Granite Station. She washed it with a hose and the water ran into a duck pen. 3 ducks died "immediately." It was picked up from Mrs. Brown's barn on July 11 1963 by Eben McMillan. Carcass had been strung up in barn with baling wire & pushing wired through dried carcass accounts for holes with bone & ulna.

1 mi. N+W Granite Station, Kern Co, Calif.

Skeleton 13972 ♀ Gymnogyps californianus

Found dead on Sept 23 1963 by Mrs. Philip Armstrong. Retrieved by Eben McMillan on Oct. 16, 1963. Had been roosting on cattle feeder prior to death. See note in top

W.C. Russell M.V.Z., Berke, Calif.

acc 10266 (contd)

with skeleton.

Bird rec. as dried carcass - feathers intact - no meat or viscera. Skin head was bugged but nothing unusual happened. They cleaned it in good shape - no dead bugs.

The 2 Condors & the Prothonitary Warbler were brought to M.V.Z. by Chas & Jane McMillan.

W.C. Russell M.V.Z., Berk, Calif.

Dec. 14, 1963
acc 10255 (1)

Skel. Only 13973 ♂ 10 mi. S Marysville, Yuba Co, Calif.
Wood Duck
Taken by W.C.R. during duck season

April 14 1964
acc 10277 (2 birds discarded (mammals + 11 birds))
Rec. Mar. 4, 1964

San Diego Zoo

Skin + Skel. 13974	♀	Dendrolagus matschiei		1140-557-121-51
Skin + Skel. 13975	♂	Dolichotis patagonica		672-65-160-93 Wt. 14½ lb.
Skin + Skull 13976	♂	Panthera uncia	cub	427-140-60-17 —
Skin + Skull 13977	♀	"	"	420-155-59-12 —
Skel. Only 13978	♀	Strix (Scotiaptex) nebulosa	verg thin, lower leg missing	—
Skel. only 13979	♀	Surnia ulula	verg thin	—
Skin 13980	♂	Dicaeum cruentatum		wt. 4.0 g.
Skin 13981	♂	Nectarinia tacazze		" 16.0 g.
Skin 13982	♂	Diphyllodes magnificus chrysopterus		" 75.2 g.
Skin 13983	♂	Dacnis melanotis	quite fat	" 18.8 g.
Skin 13984	♀	Platycercus adscitus	Laying	"112.2 g.
Skel. Only 13985	?	Chlorophonia flavirostris		8.8 g.
Skel. Only 13986	♀	Diglossa sp.		" 10.8 g.
Skin 13987	?	Siskin type bird		12.1 g.

This shipment arrived in good condition. It was unpacked & placed in deep freeze when I was not

W.C. Russell M.V.Z., Berkeley, Calif.

April 14 1964
acc 10277 (cont'd)

here. So I'm not positive what actually did arrive. However when I prpared specimens the birds did not check with the list sent in letter of Mar 3 1964 from Sheridan to Pitelka.

Couldn't find any Pacagga embid. Also I prepard a small yellow bird # 13987 that was wrapped in a note labeled pine siskin. Something fishy. Mammals with no weights rec. gutted.

May 4 1964
acc 10293 (1)

4 mi. SE Livermore, Alameda Co., Calif.

13988 Pituophis albino - pink eyes.
Pickup dead on highway by Jerry Russell on April 25 1964

May 26. 1964
acc 10284 (1)

Bodega Bay, Sonoma Co., Calif.
Coll. by Horace H Jeter on May 15 1964

13989 ♀ Blue Heron (egg mass 12 x 11 long) wt. 369.0g.
Rec in flesh on May 17 1964.

Cat Eye #1182

W. C. Russell

June 1964

Northern Calif.

& Oregon

Catalogue

#13990-14051

Journal

Shovel Cr, 4600 ft, Siskiyou Co, Calif.

June 6 1964

13990 ♂ Stellar Jay — wt. 112.0 g.
13991 ♂ Vireo, Solitary — testis 4 mm — prep. by M. Johnson — 14.0 g.
~~13992 Western Fly catcher~~ — ~~12.5 g~~
13993 ♂ Calaveras — 11.2 g.

June 7 1964

13994 ♀ Red. breasted Sapsucker — Brood Patch, ovum 2 mm — 49.2
13995 ♂ Fox sparrow — testis 10 mm — 30.0

June 8, 1964

3½ mi. E Likely, Modoc Co, Calif.

13996 ♂ Badger — 632 - 130 - 101 - 47

June 10 1964

Thomas Cr, 6100 ft, Warner Mts. Modoc Co, Calif.

13997 ♀ Williamson Sapsucker — Brood Patch — 53.2 g.
13998 ? Grey-tailed Towhee — 23.0 g.
13999 ♂ Chipping Sparrow — testis 8 mm — 10.0 g.
14000 Warbling Vireo — 12.7 g.

June 11 1964

Thomas Cr., 6500 ft, Warner Mts, Modoc Co.

14001 ♀ Cutamiae — 191 - 80 - 51 - 15 — [illegible] g.
14002 ♂ Mt. Bluebird — testis 10 x 7 — 27.6 g.
14003 ♂ Western Flycatcher — testis 7 x 4 — 11.7 g.
14004 ♀ Red-breasted Sapsucker — ovum 5 mm — [illegible] g.
14005 ♂ " " " — 7 x 4 mm — 48.2 g.
14006 ♂ " " " — 7 x ½ mm — 44.5 g.
14007

Thomas Cr., 7500 ft., Warner Mts., Modoc Co., Calif.
June 12 1964

14007	♂	Hermit Thrush	testis shot up	23.2
14008	♀	" "	ova 8 mm	25.0
14009	♂	Dusky Flycatcher	testis 6 mm	12.0 g
14010	♀	" "	ova 5 mm	10.6 g.
14011	♀	Hairy Woodpecker	brood patch	57.3 g.

Cedar Cr., 6000 ft. Warner Mts., Modoc Co., Calif.
June 13 1964

14012	♂	Western Flycatcher	testis 6×4	11.8 g.
14013	♀	" "	ovum 1 mm	10.4 g.
14014	♀	" "	ovum 2 mm	11.5 g.

Thomas Cr., 6100 ft, Warner Mts, Modoc Co, Calif.

14015	♀	Canada Jay	ova 7 mm June 12	28.
14016	♂	Chipping Sparrow.	June 12 testis 8×6 mm	12 g.

Thomas Cr., 7500 ft, Warner Mts., Modoc Co, Calif.
June 14 1964

14017	♂	Pigmy Owl	testis 5 mm	59.1 g.
14018	♂	Hairy Woodpecker	testis 2 mm	67.1 g.
14019	♂	Red breasted Nuthatch	testis 5 mm	10.2 g.

Pine Cr. 5200 ft. ½ mi. S Cleg. Pine, Warner Mts,
Modoc Co, Calif.
June 16 1964

14020	♂	Flycatcher	testis 5×4 mm	11.0
14021	♂	Solitary Vireo	" 4×3	14.7 g
14022	♂	Swainson Thrush	testis 3×1	32.2

June 16 1964

Pine Cr, 5200 ft, ½ mi. S Oreg. Line, Warner Mts, Modoc Co, Calif.

14023 ♂ Red Breasted Nuthatch testis 5 x 4 mm 10.2g.
14024 ♂ Hairy Woodpecker testis 5 mm 68.9

June 17 1964

~~14025~~ Pine Cr, 6500 ft, ½ mi. S Oreg Line, Warner Mts, Modoc Co, Calif.

14025 ♂ Williamson Sapsucker testis 5 x 4 mm 51.1
14026 ♀ " " Ind Layd. 46.2
14027 ♀ Hairy Woodpecker ova 6 mm 64.0
14028 ♂ Dusky Flycatcher. testis 7 x 3 mm 12.4

Pine Cr, 6200 ft, ½ mi. S Oreg. Line, Warner Mts; Modoc Co, Calif.

14029 ♂ Western Flycatcher testis 6 x 4 mm 11.6g

June 18 1964

Pine Cr, 5200 ft, ½ mi. S Oreg. Line, Warner Mts; Modoc Co, Calif.

14030 ♀ Swainson Thrush Brood Patch 32.6g.
14031 ♂ White Crowned Sparrow testis 12 x 8 mm 28.0g
14032 ♂ Olivie Warbler testis 10 x 5 mm 12.5g.
14033 ♀ Calaveras Warbler Laying 10.0g.
14

June 24 1964

Bessie Cr, 4600 ft, 10 mi. E Prospect, Jackson Co. Oregon.

14034	♂	Canada Jay	testis 2mm	65.5g.
14035	♂	Hairy Woodpecker	testis 3mm	73.0
14036	♀	Western Tanager	ovum 3mm	32.3g
14037	♂	Thomomys	206-60-25-5	95.0g
14038	♂	"	204-55-24-5	88.7g

June 25 1965

14039	♀	Thomomys	not preg.	205-66-25-4	82.2
14040	♂	Tiger Owl	testis 4mm		54.5g
14041	♂	Hermit Warbler	testis 8x5mm		9.6
14042	♀	" "	Laying ovum 3mm		11
14043	♂	Calaveras Warbler	testis 7x5mm		8.7
14044	♂	Kinglet	testis 5x4mm		5.7
14045		Frog			

June 26 1964

14046		Frog		

Middle Fork Rogue R, 2900 ft, Jackson Co., Ore.

June 26 1964

14047	♂	Western Flycatcher	testis 6x4mm 1st yr. skull	10.6g.
14048	♀	Hammond Flycatcher	Laying ovum 3mm	10.5g.

2.5 mi. ESE Prospect, 2700 ft, Jackson Co, Ore.

June 27 1964

14049	♂	Western Flycatcher	testis 5x3mm	10.7g.
14050	♂	" "	" 6x4mm 1st yr skull	11.1g.

Tumalo Cr, 4700 ft, 11 mi. W Bend, Deschutes Co, Ore

June 29 1964

14051 ♂ Yellow-bellied Sapsucker testes 4 x 2 mm wt. 48.2

W.C. Russell Shovel Cr., 4600 ft., Siskiyou Co., Calif.

June 5 1964

Left Berk. at 6 P.M. with Ted Johnson & Charley Brown in panel G.M.C. truck. Headed for northern Calif. in vicinity of Doris - Siskiyou Co. Made camp on Shovel Creek, at 4600 ft in late afternoon. Sky overcast and looking like rain.

June 6 1964

Started to rain at dark last night & kept up off & on all day. Have 8 P.M., daylight saving time & coming some more. Some thunder & lightening & hail in afternoon.

This is a canyon that had a good stand of Doug Fir, yellow pine, white fir & some cedar with scattering of cotton woods & willows along creek. Was logged years ago, judging from old stumps & now they are demolishing the place with recent logging operations. Ted is interested in Ichthyology, chiefly Western fly, & I managed to find some along the creek up stream from where road crossed the creek. Creek is high & very noisy due to run off, they say, from melting snow. Lighter up,

W.C. Russell | Shovel Cr, 4600 ft, Siskiyou Co, Calif.

June 6 1964

I hunted in vicinity of camp, giving Pigmy Owl calls. So far have seen no sign of any kinglets or white-breasted nut hatches. Birds not too vociferous what with showers & dull sky. Took a solitary vireo on ridge above camp in tall Fir & pines. There was a few minutes of sunshine & vireo was singing.

June 7

Rained most of night. Let up 4 A.M. to slight drizzle. We went out for a short hunt before breaking camp. There are quite extensive patches of manzanita. In the vicinity of this shrub was when the Lark Sparrow was taken. Rain let up long enough to get back loaded. Drove into Alturas to a motel for night.

June 8 1964

Drove around the country looking for a camping spot. Only good improved county roads are passable now after 4 days of rain. Finally made camp in public camp ground on Horse Cr, just W of Cedar Pass, 1.5 mi W of Pass. See next page for note on Baker.

W.C. Russell Thomas Cr., 6100 ft., Modoc Co, Calif.

June 9, 1964

Rained all night and all morning + started snowing in afternoon. This was too much weather for me - hunted for awhile but gave up.

Yesterday when driving 3½ mi. E of Likely where road crosses the S Fork of Pit River - two badgers ran across the road in front of truck. One seemed to be pursuing the other all the while giving a taunting sound. We assumed there was some sort of mating antics going on. However the one taken still has its milk teeth. Also however there was a very pronounced musky odor on this animal.

June 10, 1964

Snowed last night + this A.M. the country was white - 4-6" of new snow + I guess all the birds were underground. One could go an hour without seeing or hearing a bird. In addition to the blanket of snow it rained all morning. Delightful tramping around. Couldn't use field glasses so just shot anything I could aim at. Result - same as at

Peg -

W.C. Russell

Thomas Cr, 6100 ft, Warner Mts., Modoc Co., Calif.

June 11, 1964

Storm broke yesterday afternoon & sure came out today. What a relief after 5 days foggy weather. On north facing slopes 4-6 inches of snow. Found a Cutaneus curled up on the snow-kept still feeling but it died in my huntingcoat Frog tracks in snow deer seem plentiful-also the small prints of mice, voles. Saw coyote tracks in 3 places same 3-400 yds. apart. Could have been same one as differed animals. Took 3 Sphyrapicus from small aspen patches.

June 12, 1964

Hunted N. flood canyon on S. facing slope of the Thomas Cr. drainage. This is a steep slope grass, sagebrush, M. Mahogany & pure stands of white fir. These fir forests are really quite bleak with very little bird life in them. At around 7500 ft. in the pure white fir & white the hermit thrushes & Sooty Flycatchers were taken. So far no white breasted Nuthatches have been seen. Deer tracks plentiful. Saw several tracks of coyotes & dusky grouse in the forest.

W. C. Russell Thomas Cr, 6100 ft, Warner Mts, Modoc Co, Calif.

June 13, 1964

Drove over Cedar Pass & down on Cedar Cr. to around 6000 ft. where I hunted along the stream for Western Flycatchers. Due to recent rains & snow the run off is heavy & creek is huge & noisy. The birds are spaced along the creek every 100 yds. or so, but trying to locate them in the large / fair with their call notes seeming to come from all directions at once time, is tough hunting. Hunted from 6:30 AM till 10:30 to get 3 birds & lost one. Only other flycatchers seen were several wood pewees this around edges of meadows. The Westerns seem to be strictly confined to stream side.

June 14, 1964

Hunted up the N facing slope S of Camp. In thick white fir timber near the ridge finally rec. an answer to Pigmy Owl calls. One answered with good vigor and was able to lead him from perch to perch till he was in suitable position where he would fall clear without hanging up in a tree. Now this bird had a completely empty stomach.

E. Russell

Pine Cr. 5200 ft, 1/2 mi. S Oreg. Line, Warner Mts, Modoc Co, Calif.

June 15 1964

Broke camp and drove to Pine Creek — the one near the Oreg. line. We drove up to Lilly Lake, raining all the while. Came back down canyon to near the mouth where we pulled into an abandoned garage. At least it had 1/2 a roof. This is a steep sided canyon with sides covered mostly with White fir with a scattering of yellow pine & Incense cedar. Some cotton-wood & Jun aspen in the bottom along the stream. Water very high due to recent rains.

This is as rocky a country as one ever sees and still have heavy vegetation. Every

Something wrong with this page — greasy!!!

W.C. Russell

Pine Cr, 5200 ft, 1/2 mi. S Oreg. Line, Warner Mts., Modoc Co, Calif.

June 15 1964

There is practically no humis. Even the meadows with good grass are too rocky to sink a shovel in. The rock looks like a finely broken up shale. All rocks large or small quite angular.

June 16-17

Have hunted from camp 5200 ft up to Lilly Lake that seems to be about 6400 ft. on the topo sheet. There are Western Fly catchers along creek at camp but the seem to be more numerous around 6200 ft. For all the trees the wood peckers are seem to be quite scarce. Williamson Sapsuckers are hard to come by. So far on this trip have seen only 1 Cottontail.

June 19 1964

Broke camp and drove to Klamath Falls. After scouting for a camp site some miles N of town we returned to town & I took a plane for Berk. Returned to Klamath Falls in late afternoon of June 22. Went out to the camp where Johnson & Reynolds have been camped. Stayed one night & then broke camp & drove to Medford & on up

Bessie Cr, 4600 ft, 10 mi. E Prospect, Jackson Co, Ore.

June 23 1964

Rogue River to Prospect. Turned E in town & drove up Bessie Cr to above location. This is a heavily wooded canyon of Hemlock, White Pine, Doug Fir - White Fir & some Sugar Pine. There are small natural meadows scattered along the creek. Up to this elevation some areas have been logged but E from camp - upstream is primitive area & timber untouched. In these tiny meadows which are very rocky and in logged over areas there are a good sprinkling of gopher mounds. The holes are small & wind around between the rocks as to make it very hard to set a trap. Soil very black in meadow, full of humus. Mole & gopher sets near camp in meadow.

June 24 1964

Took 2 gophers, ~~Tel talpoides~~ Thomomys - they had long penis bones.
Hunted up stream from camp. Got 2 Pigmy Owls going at same time. Had several wing shots as they crossed from 1 tree to another. These trees are colossal - no chance to see a bird 2/3 up in the tree.

Bessie Cr., 4600 ft.; 10 mi. E Prospect, Jackson Co., Ore.

June 24 1964

While all this calling was going on the Canada Jays joined the act. away high in these tall trees. Managed to get one of them are wing between trees.

June 25 1964

Hunted upstream from camp in virgin timber. This is like being in a vault. See no bird or hear no sound for long stretches of time. All the birds taken were finally stirred up by using Pigmy Owl calls.

The Forest Service trail crew say the reason the deer are so numerous in this area is that due to late season + snow higher up the deer are prevented from scattering on the higher elevations.

Is really surprising at the lack of woodpeckers in all this timber. Have seen or heard about 2 Flickers, 1 Hairy + no sapsuckers of any kind. Set out 25 mouse traps along Bessie Cr. trying for Sorex palustris, Zapus etc. Caught only 4 Peromyscus Maniculatus.

June 26 1964

To-day we all tried for Western Flycatchers on Middle Fork of Rogue River at 2900 ft. I left stream side - too noisy + worked on S slope along road through heavy

McRossell Beasie Cr, 4600 ft, 10 mi. E Prospect, Jackson Co, Ore.

June 26, 1964

very tall timber with and understory of vine maple. Westerns all through timber away from stream, Heard 5 calling & got 1. This seems to be par for the course. Extremely difficult to tell direction of notes & had hard to see birds in tall conifers. Did not hear any Hammondi. in this timber.

June 27, 1964

Drove down to a point 3.5 mi. ESE Prospect, at 2700 ft, to hunt for Western Flycatchers. This area has been logged with scattered tall trees & a wealth of young trees. There were Westerns scattered all over the area, paying no attention to stream side conditions what so-ever. Some areas where they were seen or heard there was no water at all. Did not hear any hammondi. at all. This really is where we should have been collecting the last few days. We could have gotten a fair series under much better hunting conditions. No H_2O to drowned out the songs & much easier terrain to walk over.

Deer very plentiful at all elevations. See brand new fawns.

Tumalo Cr, 4700 ft; 11 mi. W Bend, Deschutes Co, Ore.

June 28 1964

Moved to above location this A.M. This is same location where a M.V.Z. field trip camped in 19 . We are here to take more Western Flycatchers.

June 29 1964

Very quiet this A.M. Remark has been made & it seems to be true - there are no young birds about. Appears that the storms of 2 weeks ago must have broken up many nests. Heard only 2 Western Flycatchers sing & could not find either. Found a nest of yellow bellied Sapsuckers - took 1 & crippled & lost the mate. The one I took appeared black like the one taken. Heard 2 or 3 Hammond Flycatchers, for most part they were farther from stream than Western.

1 2 P.M., cloudy & looks like rain. Heard some distant thunder.

This country - like many other places will be full of houses someday. Right here they are selling lots, covered with Lodge Pole Pines along Tumalo Cr. The sign advertises sites for summer & winter cabins.

Cat Page #1163
12

W.C. Russell

July 1964 —
June 1966

Misc. Catalogue

#14052-14187

W. C. Russell

June 1964

Mr C Russell M.V.Z., Berkeley, Calif.

July 7 1964
acc 10313 (1)

~~14054~~ 5 mi. W Lewiston, Trinity Co, Calif. 2600 ft.,
Skin + Skull
14052 ♂ Procyon 920-345-130-69 Wt. 6.0 lbs.
Caught in live trap July 5 1964 by
Kurt Soehngen.

July 13 1964
acc 10314

Alamo, Contra Costa Co, Calif.
Skin + Skel. ♀
14053 ♀ Yagouroundi cat (imm.) 718-286-105-35 Wt. 4.0 lb.

This animal seen in vicinity of Alamo for some two weeks. See newspaper clipping. Carcass was picked up by Jack Dumas from the Contra Costa Animal Control people after it had died. No evidence of rabies upon examination of brain. Ref. as complete carcass.

July 24 1964
acc 10311 (1)

Malaysia - from Physiology Dept, U.C.
Skel. Only
14054 ♂ Macaca nemestina 72-194-172-45
To Physio. Dept from Asiatic Imports - S.F.
on Oct 18 1963 - died June 29 1964
Arrival wt. 6.71 kg - wt. at death 8.35 kg.

July 28 1964
not acc.!!
Hopland Field Station, Mendocino Co.
14055 ♀ Horned Owl
14056 ♂ Barn Owl.
Specimens prepared for Bill
Loughrid of Hopland Field Station.
For their teaching collection.

Aug 5 1964
acc. 10322 (2)
Highway 108 - 3 mi. E Sonora Pass, 8500 ft. Mono Co.;
14057 ♀ Red-breasted Sapsucker new feathers on breast patch. ova small. 47.0g.
Taken Aug 2 1964

Cottonwood Basin, 9500 ft, White Mts, Inyo Co.
14058 ♂ Red-naped Sapsucker testis 1 mm wt. 41.2g.
Taken Aug 1 1964

Aug 19 1964
acc 10328 (1)
Curtis St. Albany, Contra Costa Co, Calif.
14059 ♂ imm. Cowbird wt. 30.5g.
Rec. by Mrs. Inez Trobell from a
Mrs. Simmons who found it
dead Aug 11, 1964

W.C. Russell M.V.Z., Berkeley, Calif.

Sept 27, 1964

acc. 10343 (4)

Skel. Only 14060 ♂ 2½ mi. S Jobs Sister, 9500 ft, Alpine Co, Calif.
Dendragapus f. sierrae (all bones finally saved)
~~This actually is an incomplete skel. as some wing bones & some leg bones were left in one wing & leg. However skel. has one complete wing & leg + the complete skull.~~ Jan 1966

Sept 28 1964

2¼ mi. W Woodfords, 7100 ft, Alpine Co, Calif.

14061 ♂ Cutanias speciosus 200-85-33-17 56.8g.
14062 ♂ " " 201-80-32-17 55.5g
14063 ♂ " " 204-82-30-15 47.6g.

Sept 28 1964

acc. 10344 (1)

Berkeley, Alameda Co, Calif.

14064 ♀ Western Flycatcher wt. 9.8g.
Pick up dead on street. Bird fat and rotten when found.

Oct 2 1964

acc. 10335 (1)

Skel. only 14065 ♂ 35 mi. S S.F. on Highway 1, San Mateo Co, Calif.
Red-tailed Hawk
Pickup on highway by Robert Vogel.
Immature plumage.

W.C. Russell M.V.Z., Berkeley, Calif.

Oct 22 1964

9 mi. S Contact, Elko Co., Nev.

acc 10345 (3)

14066 ♀ Sylvilagus 350-40-85-6) —

Animal taken on a deer hunt.

9 mi. SE Contact

14067 ♂ Downy Woodpecker ~~Sept~~ Oct 21 1964 25.6g.

14068 ? Sorex vagrans ~~Sept~~ Oct 19 1964

Nov 18 1964

acc 10336 rec. Sept. 16 1964

San Diego Zoo

Skeleton only 14069 ♂ Anhinga

Skel. only 14070 ♂ Larius r. solomonensis

skin 14071 ♀ Parrot wt. 57.2g.

skin 14072 ♂ Rupicola testis 11 mm " 186.3g.

skeleton 14073 ♂ Small Stork like bird

skin 14074 ? " " " "

skin 14075 ? Poephila mirabilis 11g.

skin 14076 ? Hooded Pitta —

Skel. only 14077 ? Pytilia afra —

skin 14078 ♂ Tersina viridis 22.9g.

skin 14079 ♂ Tern —

Skel. only 14080 ? Red-thighed Dacnis (Dacnis venusta) —

Skel. only 14081 ? " " " " " 11.0g.

Skel. only 14082 ♂ Thraupis virens cana 30.0g.

Skel. only 14083 ? Gould Finch

Skel. only 14084 ?

M.C. Russell M.V.Z., Berkeley, Calif.

Nov 18 1964

acc 10336 (cont'd)

San Diego Zoo

Skin 14094	?	Erythrura psittacea	9.2g.
Skin 14095	♂	Hydrophasianus chirurgus	78.2g.
Skin 14096	♂	Hawk Owl.	259.0g.
Skin 14097	?	Tanagra nigroviridis	13.8g
Skel. 14098	♂	" "	—
Skel. 14099	?	Chiroxiphia linearis	—
Skin 14100	♂	Forpus passerinus viridus	29.8g.
Skin 14101	♂	" " "	30.5g.
Skel. only 14102	♂	" " "	33.7g.
Skel. only 14103	♂	" " "	27.8
Skel. only 14104	♀	" " "	30.5
Skel. only 14105	♂	" " "	30.0g.
Skel. only 14106	♀	" " "	35.5g.
Skin 14107	♀♂		14.2g.
Skel. only 14108	♀	Daenis venusta	12.7g.
Skin 14109	♂	Melantrochilus fuscus	6.0g.
Skel. only 14110	?	Euphonia (name by Zoo) macroura	From Santa Teresa Brazil. —
Skel. only 14111	?	Thalurania furcata eriphile	name from Zoo 4.4g.
Skel. 14112	?	Thalurania glaucopis	3.8g.
Skin 14113	♂	" "	3.7g.
Skin 14114	?	" "	3.5g.
Skin 14115	♂	Cityolaema rubricauda	8.2g.
Skin 14116	♂	Chlorostolbon aureo-ventris	2.5g.
Skel. 14117	♀?	" "	3.4g.
Skel. only 14118	?	Augastes lumachellus	name from Zoo. —

Nov 23 1964

acc. 10354 (1)

Echo Lake, 7400 ft, El Dorado Co, Calif

14085 ♂ Sorex 105-45-12-? wt. 5.4 g. wet in ory

Coll. by Malcolm Sproul on July 26 1964. at the Robert Gordon Sproul house on upper lake. The boy froze the Shrew in a block of ice and gave it to W W Middle Kauf to bring to M.V.Z. Freezing in water is perfect way to keep small mammals as there is no drying out of small feet & tail.

Nov 24 1964

acc. 10349 (8)

St. Paul Island, Alaska

Skin 14086	♀	Phalacrocorax	urile	ova small	Sept 30 1963	4¼ lb.
Skin 14087	♂	"	"	testis 18mm	Ap 10-25 1964	4½ lb.
Skin 14088	♂	"	"	testis 13mm	Oct 6, 1963	5 lb
Skel. 14089	♂	"	"	testis 23mm	Ap 10-25 1964	5 lb.
Skel. 14090	♂	"	"	testis 25mm	Ap 10-25 1964	5¾ lb
Skel. 14091	♀	"	"	ova small	Oct 6 1963	3½ lb.

Gull Is., Kachemak Bay, Alaska

Skin 14902	♂	Phalacrocorax	urile	testis 30mm	June 16 1964	4½ lb.
Skel. 14903	♀	"	"	ad.	June 21 1964	1594 g.

#14903 rec. as roughed out skel. The other 7 birds were rec. as frozen complete carcasses. From F.C.L. Williamson

Jan 8 1965
acc 10365 (1)
Lemoncove, Tulare Co, Calif.

14119 ♂ Sylvilagus 398-50-90-79

Coll. Jan 2 1965 by Jerry Russell.
Rabbit taken on Quail hunt. We were in this general area in Sept. 1964 for dove hunting and cottontails were plentiful. However from Sept 1964 to Jan 1965 I judge there was considerable die off. We found 1 rabbit dead - not eaten. And I would say on the latter date there was not over 1 where there were 5 in Sept. This is an impression, no counts were made.

Jan 9 1965
acc. 10366 (1)
Berkeley, Alameda Co, Calif.

skel. only
14120 ♂ [Canis familiaris 1350 383-220-155 wt. 65.0 lb
½ English Pointer, ½ Labrador Retriever
Born in Dec. 1954 - Died Jan 9 1965
This dog, named, "Allan" was used by W. C. R. for 10 years in hunting Quail, Pheasant, Ducks & Geese.
During that time he was present while the following were taken.

W.C. Russell MVZ, Berkeley, Calif.

Jan 9 1965
acc 10366 (contd)

Quail ~~97~~	94
Pheasant	152
Duck	705
Geese	80

One is conservative in saying that with the exception of the geese the dog was directly responsible for at least 25-33% of these birds.

The dog became decrypit in that at the end of a days hunt he could scarcely walk for 2 days afterward. His hind legs pained him so he refused to walk.

Some 5-6 years ago he fell out of the truck, traveling 55 mi. per hr. This tore up the muscles of rt. front leg till it was unusable for a month or so. No bones broken that we knew of. In 2 mo. he was running again.

Jan 11 1965
acc 10368 (1)

2 mi. S 6 mi. E Shandon, 2100 ft, San Luis Obispo Co, Calif

14121 ♂ Lynx 805-180-175-76 14 lb.

Coll. Jan 9 1965 by Dan McMillan.

Came in as a fresh carcass

Jan 18 1965
acc 10366

San Diego Zoo

Skin 14122 ♀ Green jungle Fowl 547.0g.

Skin 14123 ♂ Gallus sonneratti

Skin 14124 ♂ Kookaburra

Skin 14125 ? White-eared pheasant

Skin 14126 ♂ Ibis (Plegadis falcinellus

Skin 14127 ♂ Night Heron

Skin 14128 ♀ Stork

Skin 14129 ♂ Nettapus coromandelianus

Skeleton 14130 ♂ European avocet 291.3g.

Skel. 14131 ♂ Nettapus coromandelianus 117.8g.

Skin 14132 ♂ Mina bird

Skin 14133 ♂ Lesser Superb Bird of Paradise

Skin 14134 ♂ Capito niger

Skin 14135 ♂ Xipholena punicea

Jan 18 1965 acc 10366 (cont'd)

San Diego Zoo

Skin 14136	♂	Tanagra xanthocephala	18.9g.
Skin 14137	♂	Blue-Shouldered Tanager	
Skin 14138	♂	Bird	~~28.3g.~~
Skin 14139	♂	Dicaeum cruentatum	4.0g.
Skin 14140	♂	Tanagra xantho cephala	16.5g.
Skin 14141	♀	Stictoptera bichenovii	6.8g.
Skin 14142	♂	? ?	—
Skin 14143	?	? ?	—
Skel 14144	?	dolibri serrirostris (Identification of the Zoo)	6.0g.
Skin 14145	♂	Dicaeum cruentatum	
Skin 14146	♀	? ?	12.6g.
Skin 14147	♀	? ?	15.3g
Skin 14148	?	? ?	13.8g.
Skin 14149	♂	? ?	12.7g.
Skin 14150	♂	Chytolaema rubicauda	—
Skin 14151	♀	Granatina granatina	10.5g.
Skin 14152	♂	Chrysolampis mosquitus	2.7g.
Skin 14153	?	Thalurania glaucopis	3.0g.

N.C. Rossell Berkeley, Alameda Co, Calif.

Feb 10 1965

In afternoon drove to area 2+½ mi. W of Tomales to look over the mole situation. In December 1964 there was 21 days of very heavy rains - flooding Humboldt & Mendocino Co badly. I would judge that a good number of the moles drowned during this time. There are not more than 10% as many mounds in the whole country as in previous years. Areas where there used to be dozens of mounds now have none.

There are 3 areas that appear to illustrate what has happened. Area 1 was is a pasture bordered by a row of Cypress trees and kept moist throughout the summer by seepage from springs. For years I could always count on fresh mole workings even during the dry summer months. Now there are no workings. 2nd. area is on Mr. Swanis ranch and is flat pasture on top of the hills. Drainage would be slow with very heavy rains. Used to have dozens of mounds, now practically none.

W.C. Russell Berk., Alameda Co, Calif.

Feb 10 1965

By contract a 3rd area is a close cropped sheep pasture that is a knoll with gentle slopes in all directions.

E ~~~~~ W N ~~~~~ S

This area, some 200 yds in diam. has a good number of mounds - not as many as previous years but conspicously more than any other area seek this season. Hope the drainage would be real good.

Many other areas that had a good slope, but all in one direction, and previously had many mounds, are undisturbed at this time. And right at this time is the busiest season of the year for mole activity.

Made 12 sets with kill traps and left over night. Weather clear.

Feb 11 1965

Weather clear humidity low in Berk., but frost in Tomales area. Took 3 ♀'s & 1 ♂. All ♀'s pregnant - each with 3 emb. and slips very small. 1 set emb. 3mm after being in Bouins - 1 set 5mm in Bouins & the 3rd. set just slight lumps on the tubes.

W.C. Russell Berkeley, Alameda Co, Calif.

Feb 11 1965

The 3 ♀'s all taken in area of large mounds. The ♂ taken in a small mound with no other mounds in area but also no surface runs in area.

May 10 1965

acc 10397 (1)

Skin+Skull 14154 ♂ *Phoca richardii* (immm.) 725-95-185 — wt. 21 3/4 lb.
Found dead May 9/1965 — rec. as complete carcass. From California! some locality!

May 21 1965

acc 10401

San Diego Zoo

Skin+Skel. 14155 ♀ *Balearica pavonina* ovum 2 mm f. 8 lbs.
Throat orange - cheeks white

Skel. only 14156 ♀ *Ailurus* 935-394-115-65 —
Skin+Skull 14157 " 852-362-109-60 —
Skeleton 14158 ♀ Flamingo *andinus* (ova minuit) 5 1/2 lb.
Skin 14159 ♂ " " 3 1/2 lbs.
Skin+Skel. 14160 ♂ Impalla 750-155-285-105 9 3/4 lb.
Born + died on Feb. 5, 1965

Skel. only 14161 ? Gousa ~~victoria~~ *coronata*

This specimen labeled *victoria* by Zoo but it had white in wings & blue breast like our *coronata* skins in collection. It had practically no crest. Been gutted & couldn't sex.

W.C. Russell M.V.Z., Berkeley, Calif.

May 21 1965
acc 10401 (cont'd)

San Diego Zoo

Skin+Skel ♀ 14162 Acryllium ~~sp~~ vulturinum ——
Had been gutted & could just make out the ovary. Ova very small.

Skel. Only ? 14163 Geronticus eremita (Waldrapper) ——
The name is from the Zoo
Thoroughly gutted - no sex.

Skin ? 14164 Melanotrochilus fuscus (Pied Jacobin Hummer) 6.8g.
Name from the Zoo.

Skin ♂ 14165 Ampelion rubro-crest (Cotinga) 46.2g.

Skin ♂ 14166 Hawk-headed Parrot (name from Zoo) ——

Skin ♀ 14167 Amazilia lactea sex sent by Zoo - Could'nt see anything inside. wt. 3.0g.

Skin ♀ 14168 Gallinula sandwichensis 233.0g.

Skin ♂ 14169 Tinamou sexed by Zoo. ——

Skeleton ? 14170 Trogon melanus mesurus ——
Identification by Zoo.

July 16, 1965
acc. 10428 (1)
Capitola, Santa Cruz Co., Calif.

? 14171 Sooty Shearwater ——
Pick-up Aug 19 1961

W.C. Russell M.V.Z., Berkeley, Calif.

Sept 23 1965
acc 10469 (1)

San Francisco Zoo

14172 ♂ White Thumb Pint wt. 66.5g.

Brought in by Peter Arner.

Nov 8 1965
acc 10467 (9)

Red River Hot Springs, Idaho Co, Idaho

Skin+Skull 14173 ? Thomomys coll. Oct 10, 1965 200-55-25-6 —

Skull only 14174 ? Black bear Killed Oct 10 1965.

14174A Skull only ? Black bear (Cub) Killed fall 1965 pick up.

15 mi. E Elk City, Idaho Co, Idaho

14175 ♂ Tamiasciurus hudsonicus coll. Oct. 12 1965 333-132-47-25 —

14176 ♂ Canachites canadensis Oct 12 1965 —

14177 ♂ " " Oct 12 1965 —

14178 ♂ " " Oct 12 1965

14179 ♂ Bonasa umbellus Oct 16 1965

14180 ♀ Perisoreus canadensis Oct 17 1965

The above 8 specimens taken on a hunting trip. Jerry Russell, WW Middleton & I spent 10 days on an elk hunt beginning Oct 11 1965. Had a very successful hunt. We took 3 elk + 2 black bear.

#14174 was taken by another party of hunters. This bear had raided their meat-night before. They waited up for it & shot it right in camp.

Nov 8 1965

acc 10468 (1)

Skel. only
14181 Oakland Airport, Alameda Co, Calif.
♀ Phasianus colchicus pick-up.

Pick up hen pheasant at airport. Brought in because it had a good colony of active dermestid beetles on carcass. Wanted some new blood for the bug room. Bird probably hit by car as it had 2 broken legs. Sexed from feathers. Picked up July 28, 1965.

Jan 6 1966

acc 10481 (1)

Skin + Skel.
14182 Millwood Road, about 3 mi. NW Pinehurst, Fresno Co, Calif.
? Gymnogyps californianus wt. 19 4/16
Coll. May 23 1965 by G.B. Coigny
Presumed to have hit a power line.
See letter from C.M. Ferrel to Ned Johnson of Jan 21, 1966.
Rec. at M.V.Z. as a frozen fresh gutted carcass skin.
No mention of which sex rec. by M.C.K.

Jan 7 1966
not acc.

Skel. Only
14183 20 mi. N Willits, Mendocino Co, Calif.
♀ Oreortyx picta coll. Jan. 1, 1966 wt. 251.4
To go to British Museum. Jerry Russell took this bird when quail hunting.

WC Russell MVZ, Berkeley, Calif

Jan 13 1966
acc 10491 (1)

14184 ♀ Zephyr Cove, Lake Tahoe, Douglas Co, Nev
Piranga ludoviciana
"Sylvester"
This bird was picked up on the ground, having just left the nest, and was raised by hand. Found in ~~summer~~ July of 1953.
It was kept in cage by Miss Euda Carpenter. Euclid ave, Berkeley for 7 years. Bird died July 5 1960. A fine pet in the family. It liked to perch on her shoulder while she was doing her house work. Bird like flies. Death was rather sudden & a dead fly - possibly killed by fly spray was suspected as cause of demise.

W. C. Russell

Feb 16, 1966

acc 10505 (1)

Gosford, New South Wales, Australia

+Skel.
14185 ♀ Trichosurus 767-345-76-64 wt. 3 lb.

Born May 1954 - Tamed by hand
Aug 1954 - In captivity and kept
as pet by J. M. Taylor.
Killed Jan. 1966

About April 20 1966 acc 10522

Orinda, Contra Costa Co, Calif.

14186 ♂ Yellow-shafted Flicker 165.0g.

Brought in by O P Pearson
with a note saying it was
donated by a Mrs. Barbara Bedayn.

June 1 1966

acc 10529 (1)

6 mi. N Hopland, Mendocino Co, Calif.

14187 ♂ Scisson-tail Flycatcher testis 7mm. Wt. 44.0g.
Coll Apr. 27, 1966 - by William
Longhurst.

Cat Cyc = 11 of 17
13

W.C. Russell

June, July 1966

Montana

Catalogue

#14188 - 14290

Journal

W.C. Russell
1966

Spar Lake, 3300 ft., Lincoln Co., Mont.

June 16 1966

14188 ♂ Varied Thrush testis 11 mm 71.5 g.
14189 ♂ Evening Grosbeak testis 12 mm 57.0 g

Spar Cr. drainage, 5000 ft., Lincoln Co., Mont.

June 17 1966

14190 ♂ Stellar Jay testis 8 mm 123.2 g.
14191 ♂ Yellow-bellied Sapsucker 45.9 g

Spar Lake, 3300 ft., Lincoln Co., Mont.

14192 ♀ Microtus 2 emb x 28 mm 185-61-21-11 52.5 g.
14193 ♀ Microsorex 90-38-11 2.2 g.

Spar Cr, 4000 ft., Lincoln Co., Mont.

June 18 1966

14194 ♀ Microtus 175-60-18-12
14195 ♂ Cleithrionomys 122-38-20-11

Spar Lake, 3300 ft., Lincoln Co., Mont.

14196 ♂ Meadow Lark testis 1 mm 89.4 g.
14197 ♂ Empidonax testis 5 mm 10.5 g.

June 19 1966

14198 ♂ Sorex 113-40-13-6 8.4 g.
14199 ♀ " 106-43-12-5 5.4 g.
14200 ♀ Varied Thrush June 18 1966 ovum 4 mm 74.8 g.
14201 ♀ Creeper ovum 1 mm 8.0 g

June 20 1966

¼E & .5N Spar Lake, Lincoln Co., Mont. 3100 ft.

14202 ♂ Chestnut backed chickadee testis 5 mm 9.7 g.

1.5 mi. E & .5 mi. S Troy, Lincoln Co., Mont.

14203 ♀ Citellus columbianus 290-85-47-15 227.3 g.

#N.C. Russell Spar Lake, 3300 ft., Lincoln Co., Mont

June 21 1966

14204	♀	Sora		112-43-12-6	7.5
14205	♀	"		115+45-11-6	8.7
14206	♀	Empidonax	hammondi	Brood Patch	12.2
14207	♀	"	"	" "	10.0
14208	♂	"	"	testes 6	11.0
14209	♀	Empidonax	hammondi	235-131-30-14	23.5
14210	♀	"		240-140-30-15	24.6
14211	♂	"		242-150-31-14	24.3
14212	♂	"		250-152-31-14	23.2
14213	♀	"		243-145-31-15	30.5
14214	?	Empidonax	hammondi	no sexual activity	9.0g
14215	♂	Varied Thrush		testes 12x7 mm	87.8g

Keeler Pk, 4800 ft., Lincoln Co., Mont.

June 22 1966

14216	♂	Golden-crowned	Kinglet	testes 5 mm	5.7g.
14217	♂	"	"	" 5 mm	6.1g.
14218	♂	Red-breasted	Nuthatch	" 5 mm	10.5g.
~~14219~~	~~♂~~	~~Pigmy Owl~~		~~testes 3 mm~~	~~35.8g~~

¼ mi E + ½ mi. N Spar Lake, 3100 ft. Lincoln Co., Mont.

14219	♂	Pigmy	Owl	testes 3 mm	55.7g
14220	♂	"	"	" 3 mm	59.7g.

Keeler Pk, 4800 ft., Lincoln Co., Mont.

14221	♂	Solitaire		testes 10 mm	35.2

June 23, 1966

Keeler Pk. 4000 ft., Lincoln Co., Mont.

14222	♀	Black-capped	Chickadee	Brood Patch	12.2 g.
14223	♂	Swainson	Thrush	testes 11	29.4g.

June 23

Kuler Pk., 4800 ft., Lincoln Co., Mont.

14224 ♂ Ruby-crowned Kinglet testis 8.1g.

Spar Lake, 3300 ft, Lincoln Co, Mont.

14225 ♂ Sorex palustris testis 7mm 154-70-19 13.6g

14226 ♀ Lepus 235-140-30-13 30.6g

14227 ♂ Peromyscus 174-80-20-16 26.0g.

14228 ♂ " 185-90-30-17 23.2g.

June 24

Kuler Pk, 4800 ft, Lincoln Co, Mont.

Skin Only 14229 ♂ Thomomys 194-55-23-4 75.0g.

14230 ♂ " 195-55-24-5 79.3g.

1 mi. NW Spar Lake, 3000 ft, Lincoln Co., Mont.

14231 ♂ Pileated Woodpecker testis 3mm 305.0

Spar Creek, 3400 ft, Lincoln Co., Mont.

14232 ♂ Marten C35-210-90-45 2½lb.

Kuler Mtn, 4800 ft, Lincoln Co, Mont.

14233 ♀ Mt. Chickadee Brood Patch 11.3g.

June 25

Spar Lake, 3300 ft, Lincoln Co, Mont.

14234 ♂ Empidonax hammondi. testis 5mm 10.4

June 26

W Fork Yaak River, 5000 ft, Lincoln Co, Mont.

14235 ♀ Citellus lateralis 292-95-41-16 218.8

14236 ♀ Eutamias 217-90-32-17 53.8g.

14237 ♂ Canada Jay testis 2mm 76.

14238 ♀ Stellar Jay ova 7mm 112.7

W.C. Russell

Yaak River -3100 ft., Lincoln Co., Mont.

14239		Rana.	June 25 1966	
14240		"	" " "	
14241		"	" " "	

W Fork Yaak River, 3500 ft, Lincoln Co.,

June 27 1966

14242	♂	~~Hoary~~ Marmot	680-300-90-35	9½
14243	♀	"	"	675-210-85-30 8½
14244	♀	Coney	185-10-30-23	169.4g.
14245	♀	Citellus Lateralis	274-90-40-16	211.4g.

W Fork Yaak River, 5000 ft, Lincoln Co, Mont.

June 28 1966

14246		Frog.		
14247		Thamnophis		

June 29 1966

14248	♀	Microtus ?	135-42-19-11	21.3
14249	♀	Phenacomys	153-48-17-12	23.0g
14250	♀	"	148-49-19-12	27.5g.
14251	♂	"	140-47-18-12	24.9g.
14252	♂	Microtus	182-62-19-11	37.7g.
14253	♂	Peromyscus	157-70-20-17	19.0g
14254	♂	White-crowned Sparrow	testis 10mm	29.1g
14255	♂	Sapsucker	Brood Patch	48.0g.
14256	♂	Robin	Testis 14mm	82.1g.
14257	♀	Citellus	365-105-48-16	498.8
14258	♂	Marten	550-175-85-45	2.0 lbs.

3.0g

W.C. Russell W Fork Yaak River, 5000 ft, Lincoln Co, Mont.

July 2 1966

14259 ? Sorex 98-43-11— 3.0g.
Tumb 13 mm
14260 ♀ Zapus 230-140-29-17 28.0g
14261 ♂ Mustela 284-85-36-18 100g.
14262 ♀ Zapus 235-140-28-14 21.0g.

July 3 1966

14263 ♂ White-crowned testis 10 mm 25.2
Fete Cr., 4400 ft., Lincoln Co, Mont.
14264 ♀ Tree Swallow Brood Patch 18.0g.
W Fork Yaak River, 5000 ft, Lincoln Co., Mont.
14265 ♀ Eutamias July 2 1966 213-95-30-16 ——

July 4 1966

14266 ♂ Marten 582-190-90-45 2 1/2 lb.
Head Fete Cr., 4400 ft., Lincoln Co., Mont.
14267 ♂ Lincoln Sparrow testis 8 mm 16.5g.
14268 ♂ " " testis 8 mm 16.0g.
14269 ♀ Microtus 162-45-18-11 — 38.0
SKEL. ONLY
14270 ♀ Citellus columbianus 350-100-47-16 ——
14271 Frog.

July 5

14272 ♀ Chipping Sparrow old Brood Patch 12.0
14273 ♂ Lincoln Sparrow testis 10 mm 16.5
14274 ♂ Red-breasted Sapsucker Brood Patch 46.0

July 6 1966

W Fork Yaak River, 5000 Ft, Lincoln Co, Mont.
14275 ♂ Marten 600-180-85-45 2 1/4 lb.

N.C. Russell

July 6 1966

3/4 mi. NE of North West Peak, 6800 ft., Lincoln Co., Mont.

14276 ♂ Hermit thrush testes 12 mm

14277 ♂ " " testes 10 mm

July 8 1966

W Fork Yaak River, 5000 ft, Lincoln Co, Mont.

14278 ♂ Varied Thrush testes 11 mm 74.0g.

Pete Cr., 7000 ft, Lincoln Co, Mont.

14279 ♀ Creeper brood Patch 8.2g.

~~14280~~ 1 mi. E North West Peak, 7000 ft, Lincoln Co, Mont.

14280 ♀ Siskin Brood Patch ova regressing 12.5g.

14281 ♂ Chipping Sparrow testes 8 mm 12.0g.

14282 ♂ Siskin testes 5 mm 12.5g.

July 9 1966

W Fork Yaak River, 5000 ft, Lincoln Co, Mont.

14283 ♂ Rufus Humming bird 4.2g.

14284 ♀ Warbler Brood Patch 19.0

14285 ♀ Pileolated Warbler Brood Patch 8.0g

14286 ♂ " " testes 6 mm 8.0g

Pete Cr., 4000 ft, Lincoln Co, Mont.

14287 ♀ Rufus Hummer. ovum 1 mm 3.0g

14288 ♀ Hammond Flycatcher ova 4 mm 10.0g

14289 ♀ Sapsucker ova 4 mm old Brood Patch 49.0g

July 10 1966

1 1/2 mi. NE of North West Peak, 6000 ft, Lincoln Co, Mont.

14290 ♀ Robin Brood Patch 80.0g

V.C. Rossell Enroute to NW Montana.

June 12 1966

Left Berkely at 7 A.M. bound for NW Montana, accompanied by the following men. Peter Dimes, David Conard, David Moore & Richard Johnson. Traveling in 2 trucks, one International & G.M.C. pick-ups. We went via Sacramento, Reno, Wells, Twin Falls, Salmon, Missoula & Kalispell. Arrived in Missoula around 3 P.M. of second day & had a visit with Dr. Richard Tabel. That evening camped at a Pipes Lake Refuge. On the 15th finally arrived at Spar Lake, 3300 ft. at 7 P.M.

June 16, 1966.

A very interesting country. Locally called a rain forest. The area is covered almost solid with Western Red Cedar, Hemlocks, & White pine, with a few Doug. Fir. & In the canyons the trees are up to 36" diam & must be 150 ft. high. N facing slopes very lush with heavy growth of ferns & moss.

Wm. Russell Spar Lake, 3300 ft., Lincoln Co., Mont

Goshawk
Red-tailed Hawk
Sparrow Hawk
Ruffed Grouse
Spotted Sandpiper
Rufus Hummer
Hairy Woodpecker
Yellow-bellied Sapsucker
Vaux Swift
Flicker
White-throated Swift
Olive-sided Flycatcher
Flycatcher #148 Dimes
Nutcracker
Steller Jay.
Raven
Black-capped chickadee
winter Wren
Red-breasted Nuthatch
Dippers
Mt. Bluebird
Robin
Swainson's Thrush
Hermit Thrush
Varied Thrush
Ruby-crowned Kinglet
Golden-crowned Kinglet

pileolated Woodpecker
Cedar Waxwing
Townsend Warbler
Lazuli bunting
Pine Grosbeak

W

18.6

25 | 216.
200.
160

W.C. Rossell Spar Lake; 3300 ft; Lincoln Co; Mont.,

C

Warbling Vireo
Audubon Warbler
Tolmi Warbler
Wilson Warbler
Evening grosbeak
Western Tanager
Chipping Sparrow
Junco
Pine Siskin
Cassin Finch
Meadow Lark

Pygmy Owl.
Chestnut-backed Chickadee
~~Black-capped Chickadee~~
Mt. Chickadee
Towsend solitaire
American Merganser
Blue Grouse
Mourning dove
Horned Owl
calliope hummer
Creeper

June 17 1966

Set ~~50~~ 75 traps from the canyon bottom up a N facing slope of Spar Creek. This N facing slope covered with heavy timber. Straight stemmed Cedar & White Pine mostly 150' tall - 24" diam with only moss & lens below. Canyon bottom same trees only larger with a gravelly floor instead of moss on slope.

Baited traps with rolled oats.

Not as many down logs as I would like to see and not much litter.

Been lucky so far - no rain since we arrived.

W.C. Rossall Spar Lake, 3300 Ft., Lincoln Co
Montana

June 18

Rather disappointing catch. Took only 9 Peromyscus maniculatus - 1 Microtus sp. & 1 Clethrionomys. The two Microtines taken on slope beneath the canopy of tall trees. Just moss & newly growing fern on ground.

Made 3 steel sets in area where a master ran across the road. Used scent & hung a chickadee & a bird over 2 of the sets.

In evening set 40 traps on some logged over land. New trees 10' high on area + assortment of low brush.

Still the ground & its cover do not "look money." Would say there is not the deep litter one usually associates with heavy cover. The soil is very gravelly.

June 19 1966

Took 3 Sorex sp. & 4 Peromyscus maniculatus. Some fisherman gave me the heads & guts of a doz. large trout. Used this material as bait on 5 steel sets made for master.

Had some rain to-day - not hard but enough to make us police the camp at least.

W.Q. Rossel Spar Lake, 3300 ft; Lincoln Co, Mont.

June 20 1966

This A.M. we headed for Troy for supplies & stopped enroute at a cut over area to hunt at 3100 ft. First time I have actually seen Chestnut-backed chickadee. Found deer-elk & black-bear? tracks. Though according to all reports there are Greggs in this area also.

Started, Pigmy owl calling but strange as I got close to it, it stopped calling. Had better success in this area with Pigmy Owl calls and small birds. At one time had juncos, chestnut backed chickadee, Townsend Warbler & Creeper all flitting around while I called, also Red-breasted Nuthatches were in on the deal.

In afternoon set out 35 traps at stream side & back a bit in timber. Also baited 9 rat traps with bacon & put them on all tables in camp ground, hoping for flying squirrels.

June 21 1966

From mouse traps set in immediate vicinity of camp took 5 Zapus, 2 Peromyscus maniculatus & 2 Sorex vagrans. No water shrews as yet. Between all of us we took 4 Empidonax

WC Russell

Spar Lake, 3300 Ft., Lincoln Co., Mont.

June 21, 1966.

Hammondi. They are usually feeding or singing high above ground. Up to 100 Ft. or so. We can't reach them with over .36 Shells. So far have not detected the song of any other fly catcher beside Olivel sided.

No activity on any steel set or my rat traps set in camping area.

June 22, 1966

Hunted in cut over land where they felled the trees & left the logs just where they fell. Nice to walk through. While walking a road I gave some Pigmy Owl calls & an owl ~~started~~ started to call. I started up the timbered slope toward the call and walked at least 400 yds before finally catching up with the bird. After starting to return to road another answered on same line & it was taken. Apparently what happened was the first call I heard was the nearest - I walked past it & on to a second bird then picked up the first one to call on return trip.

Along the highway just E of Spar saw an Eastern Kingbird on

June 22 1966

the fence.

W. C. Russell

June 25 - 1966

Moved camp to-day to W Fork Jack River at 3000 ft. Had a job trying to find a place to camp. The bottom land is in ranches & the mts. are covered solid with timber. We finally found a place in an old logging road. The bottom land bordering the Jack River some 400-500 yds wide has been logged. The timber on the slopes was smaller so they didn't go far up the slopes in the harvesting. The main tree here is Engelmann Spruce with a scattering sample of Larch, Western Red Cedar & Doug. Fir. The main undergrowth in cut over areas & in thinly forested areas is willow with some currant & thimble berry. There are some peaks around high enough & so rocky to be practically above timber line.

June 26-27

Hunted in cut over land & in the rock slides below cliffs. Moose tracks, deer tracks & bear droppings are very numerous though we have only seen 1 Moose.

Mc Russell W Fork Yaak River, 5000 ft.,
Lincoln Co., Mont.

June 26-27

This afternoon, June 27, a weasel ran across the road & into a log pile right by the tents. Trap now set baited with chickpeas.

Scrambeling around in the talus slopes saw 4 Hoary Marmots & took 2 of them. Heard a few conys but only actually saw 2, - took 1. These conys, at least to-day, would not be decoyed to the surface of the rock slides. Hard to figure what they eat as there is practically no grass around rock slides & absolutely none in the slides.

It's surprising that so far on this trip we haven't heard a crossbill.

July 2 1966

The thought just came to me that here we have what looks like typical mountain country, many streams, high snow country, heavy timber, logged over areas, and the only flycatcher is the Olive-sided. No Empidonax of any kind seen or heard.

Another bird not encountered so far at either camp have been crossbills.

W.C. Russell

W Fork Yaak River, 3000 ft, Lincoln Co., Mont.

July 1 1966

Have had rat traps out on top of logs a edge of logging clearing for several days trying for a flying squirrel. To look to for. Today set out rat traps on top of logs & line of mouse traps beneath logs through a virgin stand of Western Red Cedar with a few Doug. fir mixed in. Mostly ferns covering the ground.

While setting traps through this beautiful stand of timber found to sets of snow plugs made by gophers. Could not find any fresh workings. Now it has rained all afternoon which will make the location of workings more difficult. Can't recall ever seeing gopher (Thomomys) working in an un broken stand of heavy timber.

July 3 1966

Dave Conard & I drove down to head of Pete Creek, 4400 ft., where there is a large meadow of sedge some 12" high. There was one small pond covered with water lilies. One pair of Spotted Sandpipers had a brood and paddling through

W.G. Russell

W Fork Gaske River, 5000 ft, Lincoln Co., Mont.

July 3 1966

the ridge. We found some grass cuttings but not much. Set out 25 mouse traps around these piles of cuttings.

July 4 1966

We only took 2 Microtus #14269 WCR +103 DW Conard in this meadow at head of Pete Creek. Also 1 Zapus. While picking up traps heard Jays & Juncos making a fuss & found them mobing an owl. Couldn't get a shot and don't know what kind.

Took a second Marten in steel set near camp that has been baited with a marmot carcass.

July 5 1966

Part of the gang drove up to Hawkins Lake at 6800 ft. This is a small lake some 3/4 mi. NE of North West Peak. Said peak is so named since it is in the very corner of the state. While hunting around a rock slide they saw 3 wolverines one of which was carrying a marmot. They returned for me and we climbed the rock slide and could hear one animal growling in the rocks

Mc. Russell W Fork Yaak River, 5000 ft., Lincoln Co., Mont.

July 5 1966

beneath our feet. Made one steel set at base of rock slide baited with ground squirrels.

July 6 1966

Made a second steel set in the rock slide for said wolverine. On way in to Hawkins Lake (not named on map), but ie ¾ mi. NE of North West Peak saw 3 black bears, one of which was cinnamon color.

List of birds seen or collected.

Sparrow Hawk
Red-tail Hawk
Golden Eagle
Blue Grouse
Spotted Sandpiper
Hummingbird Sp?
Yellow-shafted Flicker
Red-shafted Flicker
Hairy Woodpecker
Northern 3 T Woodpecker
olive-sided Flycatcher
Tree Swallow
Rough-winged Swallow.
Gray Jay
Steller's Jay
Common Raven
Clark's Nutcracker
Mt. chickadee
Black-capped chickadee
Boreal Chickadee
Red-breasted Nuthatch
Creeper
Dippers
Winter Wren
Rock Wren

Tolmie Warbler
Audubon Warbler
Wilson Warbler
Townsend Warbler
Western Tanager
Cassin's Finch
Pine Grosbeak
Pine Siskin
Oregon Juncos
Chipping Sparrow
White Crowned Sparrow
Fox Sparrow
Lincoln Sparrow
Evening Grosbeak
Yellow bellied Sapsucker
Water Thrush.

Moose
White-tail deer
Mule deer
Black bear
Wolverine

W. C. Russell

Sept 1966 -
Aug 1967

Misc. catalogue
#14291-14330

W.C. Russell M.V.Z., Berkeley, Calif.

Sept 6 1966

acc 10585 (1)

Berkeley, Alameda Co, Calif.

Skel. only
14291 ♀ Canis familiaris 550 (40) -117-75 wt. 10.0 lb.

This dog is a miniture pinscher.
Her name was "Honeys Cutsys".
Born Feb 6 1961 - accidentally killed
Sept 2 1966 by a car.
Rec. from Miss Enda Carpenter,
611 Eucalid Ave, Berkeley.

Oct. 4 1966

10592
acc ~~10592~~ (1)

3 mi. E Santa Cruz, Santa Cruz Co, Calif.

14292 ♀ Thomomys coll. Sept 28 1966 200-55-25-6 wt 96.0 g.

Taken at my mothers home.
Saved as specimen due to the
abnormal color

Oct 4 1966

acc. 10593 (1)

3 mi. W + 1/4 mi. N Woodfords, 7700 ft, Alpine Co, Calif.

Skel. only
14293 ♂ Picoides arcticus coll. Oct 3 1966 77.2 g.

Taken on a deer hunt.

Oct 14 1966

acc 10594 (2)

Mendoza Ranch, Pt. Reyes, Marin Co, Calif.

14294 ♀ Tennessee Warbler heavy fat 9.8 g

14295 ♀ Black-throated Blue Warbler fat. 9.0 g

Coll by Robert Payton on Oct 4 1966

Nov 8 1966

acc 10601 (7/6)

7½ mi. E + 3½ mi. N junction White Cap Cr. & Selway River, Idaho Co, Idaho

14296 ♀ Screech Owl — Bones of Ascaphus truei in gizzard coll Oct 25 1966 —

14297 ♂ Canada Jay — Oct 25 1966 —

14298 ♀ " " — " " " —

14299 ♂ Stellar Jay — coll Oct 21 1966

14300 ♀ Chickadee — Oct 25 1966 297-116-45-25 —

14301 ♀ Thomomys — Coll Oct 19 1966 185-58-25-5 —

14302 ♂ Ruffed Grouse — Oct 27 1966

Dec 14 1966

acc 10635 (1)

Fleishhacker Zoo, San Francisco

14303 ♀ Orangutan — 482-0-180-30 wt. 31¼ lbs.

Rec. at Zoo Mar 25 1966 weighing 14 lbs.

accidentally hanged itself Dec 1966

Loaned temporarily to Anthropology to do some muscle dissection before skeletonizing. Returned from Anthro Jan 12 1967

Rec. from Ronald T. Reuther, new director of Zoo.

Dec 28 1966

acc 10622

Grizzly Island Solano Co. Calif.

143048 ♂ White-tailed Kite — died Dec 18 1966 may thrive.

Rec. from C.F.&G. found crippled.

Jan 1 1967
not. acc.
15 mi. N Willits, Mendocino Co, Calif.
14305 Mt. Quail } saved as pickled specimens
14306 " "
Taken during hunting season - no permit required.
Sent to Ralph Raitt at Univ. of New Mexico.

Jan 30 1967
acc 10640 (1)
1½ mi. S Dos Palos, near Hwy 33, Merced Co, Calif.
14307 Cattle Egret
Brought in by B Nilson coll. Jan 25. 1967.
Had been skinned when received so not weight or sex.

Mar 8 1967
not acc.
10 mi. S Marysville, Yuba Co, Calif.
143087 Meadowlark
Coll. Dec 11 1965 and frozen.
Prepared as a demonstration for graduate students.
Placed in exchange collection.

Berkeley, Alameda Co., Calif.

Mar 22 1967

acc 10650 (14 Specimens)

Panama City, Panama

Skin & skull ♂ 14309 Caluromys (orig #26) 645-394-41-33 —

Skel. only ♂ 14310 " (orig #110) 605-361-42-29 —

Skin & skel. ♀ 14311 " rec. Aug 1965 Died Mar 1 1967 (orig #C10) 752-457-47-39 —

Barranquilla, Columbia

Skull only ♀ 14312 Marmosa, imm (M205) Died Sept 3 1966 210-117-15-16 —

Skel. only ♀ 14313 " (orig #279) Died Feb 28 1967 287-162-20-21 —

Skel. only ♀ 14314 " (orig #8) 281-156-17-22 —

Skel. only ♀ 14315 " (orig #54) Died Jan 1967 281-144-20-20 —

Skel. only ♀ 14316 " (orig #M104) Died Feb 1 1967 251-141-19-20

Skel. only ♀ 14317 " (orig #46) Died Sept 11, 1966 262-144-19-19 —

Skin & skull ♂ 14318 " (orig #109) 237-137-19-20 wt. 24.5 g

Skin & skull ♀ 14319 " (orig #M103) 285-158-21-22 wt. 33.9 g

Skin & skull ♂ 14320 " (orig #106) 260-150-20-23 " 27.3 g.

Skin & skel. ♂ 14321 " (orig #91) 271-157-20-20 37.7 g

Charleville, Queensland Australia

Skin + skel. ♀ 14322 Sminthopsis macrura trapped July 1966 Died Mar 2 1967 168-70-16-20 wt. 18.2 g.

These specimens were brought in by Pedersen. All received frozen. They had been kept in captivity at U.C. Davis. Rec. from Dr Roy Barnes of Vet. Anatomy. Originally they were imported alive. Many had been autopsied & gutted. The ♂♂ were so designated in absence of external testis

not acc.

14323 Sea Otter

Prepared for Lawrence Hall of Science. They rec. the specimen from Calif. Fish + Game Comm. Was asked to do the animal by Ferdinand Ruth.

April 10 1967

acc 10662 (2)

Strawberry Canyon, Oakland, Alameda Co., Calif.

14324 ♂ Grey fox 1003-420-130-73 8¼ lb

14325 ♀ " " nursing 973-387-130-75 8.0 lb

Taken by Wally Davis, a grad. student on April 8 1967.

The ♀ still had large milk glands. Uterus looked as though she had 4 young.

She had 1 brush rabbit + Peromyscus Truei, with ear tags. These were mice trapped + marked a month ago by Wally.

The ♂ had an empty stomach.

Skull only 14326 ♂ Grey fox coll. Mar 5 1001-395-139-77 —

W.C. Russell

April 20 1967
not acc. for exchange
5 mi. NW Vallejo, Napa Co, Calif.
14327 ♀ Sorex 6 emb x 1 mm 90-32-11-6 4.8g.
Coll. April 19 1967 by O.P. Pearson.
Died during the night. Embx. actually too small to measure.

May 8 1967
not acc. for exchange
Berkeley, Alameda Co, Calif.
143286 Wilson's Warbler pick-up. Ap 27 1967 8.3g.
Found by Mrs. Vivian Richardson of Tolman Hall.

May 24 1967
not acc.
Berkeley, Alameda Co, Calif.
14329 ♂ Scapanus 173-35-18-0 72.0g.
young of year caught by hand in garden at 2778 Hilgard Ave. Prepared as a demonstration for & given to Robert Warneke, Australia.
Fort Bragg, Mendocino Co, Calif.
June 4 1967
143307 Gray Squirrel 570-270-77-35 wt. 845.0g.
Pick up on highway. Skull destroyed.
Given to Bob Warneke of Australia.

W C Russell M.V.Z., Berkeley, Calif.

July 13 1967
acc. 10683 (1)

Orinda, Contra Costa Co, Calif Fr. 12 mm
14331 ♂ Antrozoae 115-42-14-27 wt. 22.0 g.
Rec. from Bernard C Pederson
24 Charles Hill Rd. Orinda
Pick-up on July 5 1967.

July 13 1967
acc 10682 (1)

Fleishhacker Zoo, San Francisco.
Skull only
14332 ♂ Giraffe 729.5 cm. — 97 cm. — 118 cm — 21 cm.
Giraffa camelopardalis reticulata
weight of head without tongue 53.5 lbs.

This animal had deformed front feet so was put away.
According to Ronald Reuther, Zoo director animal is supposed to be 12 yrs. old. (Later data Rec. see below)
Top of head removed in order to get the pituitary gland.
The pituitary gland weighed 6.6 grams.
The posterior lobe weighed .38 grams
Actual wt. of parts 1880.5 lbs.
Estimated total weight 2000 lbs.
Born Colorado SPGS Zoo 1955
Rec'd S F Zoo 1958

Aug 1 1967
not acc
3 mi. E Livermore, Alameda Co., Calif.
143330 ♂ Calif. Ground Squirrel 408-173-53-25 wt. 552.6
Gift to Bob Warneke of Australia.

W. C. Russell

Aug. - Sept. 1967

Yellowstone
Nat'l Park

catalogue
#14334 - 14516

Journal

Yellowstone Park 3 mi. N Gardiner, 5400 ft, Montana. Park Co., Mont.

Aug 17 1967

14334	♀?	Vesper Sparrow	(imm.)	Skull ; layer	wt. 25.0
14335	?	Chipping Sparrow	(imm)		wt. 13.5g
14336	♂	Red-wing Blackbird	moulting heavily	testis 1mm	" 94.0g.
14337	♂	" " "	moulting heavily	testis 2mm	" 72.0g.
14338	♀	" " "	old Brood Patch	ova very small	42.5g.

Aug 18 1967

14339	♂	Red-breasted Sapsucker	(imm.)		46.5g.
14340	♂	Tolmie Warbler	imm		12.0g
14341	♂	Empidonax	(imm)		11.0g.
14342	♂	Tolmie Warbler	testis 2mm		12.0g.
14343	♀	Warbling Vireo	Brood Patch	ova small	11.5g
14344	?	Catarmias	200-90-32-15		45.0g.
14345	♂	Clark Crow	skull double	testis 2mm	58.0g.

Aug 19 1967

14346	♀	Tree Swallow	6000 ft.	(ad)	
			ova small	skull ; layer ?	19.0g.
14347	♂	Empidonax	6000 ft	testis 1mm	11.5g
14348	♂	Mt. Chickadee	6000 ft	ad. testis 3mm	
				heavy moult	wt. 11.0g
14349	♂	" "	6000 ft	ad. heavy moult	
				testis 5 mm	12.5g
14350	♂	Red-breasted Nuthatch	6000 ft	testis 1mm	
			imm	skull ; layer	11.0g.
14351	♂	Micratus	testis 7mm	148-34-18-11	35.0
14352	♂	"	testis 17 mm	177-47-19-13	50.0
14353	♂	"	testis 14 mm	164-45-19-11	40.0
14354	♂	"	testis 13 mm	158-40-19-11	40.0g
14355	♂	"	testis 14 mm	155-41-19-12	45
14356	♂	"	testis 15 mm	188-48-18-13	64
14357	♀	"	7 emb x 3 mm	172-47-18-12	42

W.C. Russell Yellowstone Park, 3 mi. W Gardiner, 5400 ft., Mont.

Park Co. Mont

Aug 20 1967

14358	♀	Microtus	no emb.	165-41-19-12	wt. 38
14359	♀	"	6 emb x 1 mm	180-43-19-12	wt. 55
14360	♂	"	testis 15 mm	190-45-19-11	wt 48
14361	♂	Zapus		225-130-31-14	21.0g.
14362	♀	Audubon Warbler	6000 ft. imm		12.0g.
14363	♂	Empidonax	ad. fat testes 2 mm		12.3g.
14364	?	"	(imm) Skull 1 layer.		10.5g.
14365	♂	Pewee	6000 ft. ad testes 6 mm		14.0g
14366	♂	Red-breasted Sapsucker	testis 1 mm 6000 ft. (imm)		48.0g

Aug 21 1967

14367	♂	Empidonax	imm Skull, layer testis 1 mm		12.0
14368	♂	Crossbill	imm Skull, layer testis 2 mm		28.5g
14369	♀	"	imm Skull, layer ova small		29.0
14370	♂	Hairy Woodpecker	imm testis 3 mm		74.0g
14371	♀	Microtus	7 emb x 1 mm	167-40-19-12	44g.
14372	♀	Robin	ad. Skull double ova 5 mm old brood patch		92.5g.

Aug 22 1967

14373	♂	Crossbill	Skull, layer testis 5 mm		32.0g.
14374	♂	"	ad. testis 4 mm Skull double.		30.0g.
14375	♂	"	imm testis 4 mm Skull, layer		?
14376	♂	House Wren	ad testis 2 mm		wt. ?
14377	♀	Red-wing Blackbird	(imm.) Skull, layer		35.0g.
14378	♀	Microtus	Some milk glands Tubes with blood	1 emb x 20 mm 177-45-19-13	55g.
14379	♂	"	testis 15 mm	160-40-18-12 7 # emb x 16 mm	38.0g
14380	♀	Peromyscus maniculatus		157-66-19-17	30
14381	♀	Red-wing Blackbird	ova small (imm.)		48
14382	♂	'crown' Sparrow	testis 1 mm skull 1 layer		20

N. C. Russell Yellowstone Park, 5400 ft, 3 mi. N Gardiner, Mont.

Aug 23 1967

14383	♂	Empidonax	(imm.)	6000 ft. Skull ½ layer	13.5 g.
14384	♀?	"	(imm)	6000 ft. Skull ½ Layer part.	13.5
14385	?	"	(ad)	6000 ft. Skull ½ layer, ova small	11.5
14386	♀	"	(ad)	old brood patch 6000 ft. Skull ½ layer ova small	11.5
14387	♂	Yellow-throat	(imm)	Skull, layer testis 1 mm	11.0
14388	♂	Tolmie Warbler	(imm)	Skull ½ layer testis 1 mm	11.0 g.
14389	♂	Zapus	(imm)	207-125-29-14	14.5 g
14390	♂	Microtus		testis 14 mm 165-41-20-12	50. g.
14391	♀	Peromyscus		6 comb x 3 mm 170-70-19-17	27.0 g.

Aug 24 1967

14392	?	Empidonax	(imm)	5500 ft. Skull ½ Layer	10.5 g.
14393	♂	Wood Pewee	(ad)	5500 ft. testis 4 mm Skull 2 layer	14.0 g.
14394	♀	"	" (ad)	5500 ft. ova 4 mm skull 2 layer	13.5 g.
14395	♂	Tanager	(imm)	5500 ft. testis 1 mm skull, layer	27.5 g.
14396	♂	Tolmie Warbler	(imm.)	testis 1 mm skull, layer	11.5
14397	♂	Microtus		testis 15 mm 165-43-20-12	wt. 47.0
14398	♂	"		testis 16 mm 179-50-20-12	

Aug 25 1967

14399	♂	Empidonax	(imm)	Skull, layer. testis 1 mm	11.3 g.
14400	?	"	(imm)	Skull, Layer	9.0 g
14401	♂	"	(imm)	Skull ½ double testis 1 mm	11.5
14402	♀	Red breasted Sapsucker		ad. ova 4 mm	50.0
14403	♀	Evening Grosbeak		ad ova 6 mm	56.
14404	♀	Sora Rail	very fat	ova 15 mm	84.0
14405	♂	Zapus		225-135-30-15	19.0

W.C. Rossell

Blacktail Deer Cr, 6700 ft, Yellowstone Park, Wyo.

Park Co. Wyo.

Aug 27, 1967

14406	♂	Empidonax	(testes 1 mm) (some fat) (skull, Layer)	wt.	11.3 g.
14404	?	Sorex	90-36-10-7	wt.	3.2g ~~2.2g~~
14408	?	"	92-37-10-7		3.3g ~~2.3~~
14409	♂	Zapus	230-130-30-14		25.0
14410	♂	Clethrionomys	testis 9 mm 125-34-18-10		16.0
14411	♂	Microtus	testis 6 mm 143-38-19-10		25
14412	♀	"	not pregnant nursing 155-38-19-10		38.
14413	♀	Zapus	nursing 225-123-28-14		36.0

Aug 28 1967

14414	♂	Sorex	98-40-11-7		5.0g ~~4.0g~~
14415	?	Neosorex	Sorex palustris 150-74-18-7		11.5g.
14416	♀	Microtus	7 embx 1 mm 155-40-18-13		44.0
14417	♂	Zapus	Skull double Layer 230-130-30-14		27.0
14418	♂	Peromyscus	ad some fat testis 3 mm skull 2 layer		14.0g.
14419	♀	"	ad fat ova 4 mm old brood patch		14.0g.
14420	♂	Canada Jay	ad testis 2 mm skull 2 layer		79.0
14421	♀	"	" imm ova small skull 1 layer		67.0
14422	♀	"	" imm ova small skull part double		72.0

Aug 29 1967

14423	♂	Lincoln Sparrow	(imm) testis ½ mm skull 1 Layer		17.5
14424	♀	Warbler	7000 ft imm ova small skull 1 Layer		9.3
14425	♀	White-crowned Sparrow	(imm) ova small skull 1 Layer		23.5
14426	♀	Olive-sided Flycatcher	(imm) some fat ova small skull 1 Layer		7000 ft. 27.5
14427	♂	Cross bill	7000 ft. ad testis 4 mm skull 2 layer		33.0
14428	♀	Cat bird	imm very fat ova small skull 1 layer		37.0
14429	♀	Zapus	fat 236-130-28-15		29.5
14430	♀	"	nursing 230-125-30-14		30.0

W.C. Russell

Blacktail Deer Cr, 6700 ft, Yellowstone Park, Wyo.

Park Co. Wyo

Aug 29 1967

14431 ♂ Microtus testis 16 mm 173-45-19-12 52.0g.

14432 ♂ " 137-35-19-10 24.0g.

Aug 30 1967

14433 ♂ Microtus testis 14 mm 170-45-32-11 47.0

14434 ♀ Sorex palustris 140-65-20— 8.0

14435 ♂ Lincoln Sparrow (imm) testis 1 mm skull, Layer 18.5

14436 ? Pileolated Warbler (imm) skull, Layer 8.0

14437 ♀ White-crowned Sparrow (imm) ova small skull, Layer 28.5g

Lava Cr, 6640 ft, Yellowstone Park, Wyo

14438 ♀ Stellar Jay ova small pick-up imm skull, Layer 110.0g

~~14439 Lincoln Sparro~~

~~14440~~

Blacktail Deer Cr, 6700 ft, Yellowstone Park, Wyo

~~14439~~ ♂ Lincoln Sparrow imm skull, Layer. 19.0

Skull only 14440 ♂ Jaguar 232-133-30-14 30.0

Aug 31 1967

Slough Cr, 6300 ft, Yellowstone Park, Wyo.

14441 Lincoln Sparrow 17.5g.

Sept 1 1967

14442 ? Savannah Sparrow imm skull, Layer 18.0g.

14443 ♀ Sorex 110-40-11-7 5.5g. ~~4.5g.~~

14444 ♀ Sorex 113-42-11-7 10.0g.

14445 ♀ Jaguar fat 210-123-27-13 —

14446 ♂ Microtus testis 14 mm 177-48-18-12 46.0

14447 ♀ Yellowthroat imm ova small skull, Layer 9.0

14448 ♂ " imm testis ½ mm skull, Layer 10.0

14449 ? Lincoln Sparrow imm skull, Layer 12.0

Slough Cr., 6300 Ft., Yellowstone Park, Wyo.
Sept 1, 1967 Park Co., Wyo

14450	♀	Jacksnipe	imm	ova small skull 1 Layer	7.8 g.
14451	♂	Microtus	testis 17 mm	176-45-20-12	47
14452	♀	"	6 emb x 15 mm	164-41-20-11	45
14453	♂	"	testis x 14 mm	170-45-20-12	39
14454	♂	"	testis 17 mm	181-47-19-12	52
14455	♀	"	nursing	180-45-19-11	47
14456	♀	"	nursing	160-41-19-11	37

Sept 2 1967

14457	♂	Lincoln Sparrow	(imm)	testis 1 mm skull 1 Layer	wt. 19.5
14458	♂	Crossbill	ad	testis 5 mm, some fat skull 2 Layer	32.0
14459	♀	Brewer Blackbird	ad,	heavy mo ova 5 mm skull 2 Layer	" 63.0
14460	♂	"	"	ad testis 2 mm, skull 2 Layer	" 68.0 g
14461	♂	"	"	skull part 2 Layer or ½ double (imm) testis 2 mm	
14462	♂	Red-wing Blackbird	ad	testis 2 mm	66.0
14463	?	"	"	imm " Skull 2 Layer	" 43.0
14464	♀	"	"	very small ova imm Skull 2 Layer	42.0

Sept 3 1967

14465	♂	Yellow-head Blackbird	imm	testis small skull 1 Layer very fat. testes 1 mm	100.0
14466	♂	Savannah Sparrow	imm	skull 1 Layer	18.0
14467	♀	"	"	ova small imm. Skull 1 Layer	17.0
14468	♀	Vesper Sparrow	(imm)	ova 2 mm skull 1 Layer	25.5
~~14469~~		~~Brewer~~			

3 mi. NNE Canyon, 8400 Ft., Yellowstone Park, Wyo.

14469	?	Brewer Sparrow	(imm)	skull 1 Layer	12.5
14470	♂	Junco	(imm)	skull 1 Layer testis 1 mm	wt. 22.0 g
14471	♀	Thomomys	not pregnant	220-72-27-5	100.0

N. C.

Wyo.

3 mi. NNE Canyon, 8400 ft., Yellowstone Park

Sept. 3, 1967

Park Co. Wyo.

14472 ♂ Thrasher testis 4 mm 193-62-22-4 80.0

Sept 4 1967

14473 ♀ Microtus richardsoni nursing 231-71-25-13 114.0

14474 ♀ Microtus " (imm) very fat 173-55-23-11 42.0

14475 ♀ Zapus nursing 238-140-30-15 35.0

14476 ♀ " (imm) very fat 222-127-29-15 25.0

14477 ♀ Peromyscus nursing 173-65-20-17 31.0

Hedges Peak, 3 mi. N Canyon, 9400 ft., Yellowstone Park

14478 ♂ Hermit Thrush imm testis 1 mm skull 1 Layer —

14479 ♂ Williamson Sapsucker testis 2 mm —

14480 ♀ Canada Jay (imm) ova small skull double 69.0

14481 ♂ " " (imm) testis 2 mm skull double wt. 72.0

destroyed ~~14482 ♀ Pine Grosbeak (imm) ova small skull 1 Layer 48.0~~ destroyed

3 mi. NNE Canyon, 8400 ft., Yellowstone Park, Wyo

14483 ♀ Thrasher not preg 196 65-25-4 93.0g.

14484 ♀? Lincoln Sparrow imm skull 1 Layer 16.7g.

Sept 5 1967

14485 ♂ Glaucomys 290-140-37-23 93.0

14486 ♂ Aethriodomys 127-36-17-12 18.0

14487 ♂ Zapus very fat 230-133-30-14 30.

14488 ♂ Hermit Thrush imm testis 1 mm 9000 ft. skull 1 Layer wt 28.0

~~14489 ♂ " discard imm testis 1 mm 9000 ft. skull 1 Layer 30.0~~

14490 ? Audubon Warbler imm 9000 ft. skull 1 Layer 11.5

14491 ♂ Cassin Finch ad. 9000 ft. skull 2 Layer old Brood Patch 26.0

W.C. Russell 3 mi. NNE Canyon, 8400 ft., Yellowstone
Park, Wyo.

Park Co. Wyo.

Sept 6 1967

14492 ♀ Red-tail Hawk — salted skin prep. at M.V.Z.
14493 ♂ Sharp-shinned Hawk (imm) (very inconspicuous) testis 7 X 1 mm 1080
14494 ♀ Clethrionomys 4 emb x 12 mm (also nursing) 148.0 g.
14495 ♀ Thomomys 140-39-28-12 27.0 g.
14496 ♂ " (imm) 190-60-24-5 79.0 g.
14497 ♂ Zapus (imm 190-58-25-4 73.0 g
14498 ♀ Eutamias 240-148-32-14 22.0 g
202-80-30-15 45.0 g.

Sept 7 1967

14499 ♀ Pine Grosbeak ad. old brood patch, ova small Skull 2 Layer 56.0
14500 ♂ " " (imm) testis 2 mm Skull 1 Layer 59.0
14501 ♂ Lincoln sparrow (imm) testis 1 mm Skull 1 Layer 14.0
14502 ♀ Stellar Jay imm ova small Skull 1 Layer 116.0
14503 Thomomys 191-60-24-5 69.0

Sept 8 1967

14504 ♂ Canada Jay imm testis 2 mm Skull 1 Layer 74.0 g.
14505 ♀ Pine Grosbeak ad old brood Patch ova 8 mm Skull double 64.0 g
14506 ♂ Ruby-crowned kinglet imm testis 1 mm Skull 1 Layer 6.7 g.
14507 ♀ M. chickadee imm ova small Skull 1 Layer 11.7 g.
14508 ♀ Stellar Jay imm ova small Skull 1 Layer 116.0 g
14509 ♂ Canada Jay imm testis 2 mm Skull 2 layer 74.0
14510 ♀ " " imm ova small Skull 2 layer 70.0

Sept 9 1967

14511 ? Sorex * Scale tested 11/15/67; 3.2 g. *
14512 ♀ Thomomys not preg. 88-36-10-6 ~~2.2 g.~~
14513 ♂ " testis receding 210-62-23-5 92.0
14514 ♀ Microtus richardsoni 220-70-26-5 106.0 g
14515 ♂ " " 223-64-25-12 92.0
180-55-26-12 50.0

3 mi. NNE Canyon, 8400 ft., Yellowstone Park
Wyo.

Park Co., Wyo.

Sept. 9, 1967

14516 ♂ Japus (imm) 220-122-30-15 25.

C. Russell

Leaving for Yellowstone Park.

Aug 14, 1967

This, one might say, is a momentous occasion in the annals of W.V.2. collecting trips.

To go back a bit in history - twas in July 1928 that C.R. Edell & I were in SW Nevada. This was my first collecting trip and we were using a small Model T Ford as a truck. Now 39 years later we are outfitted with a $\frac{3}{4}$ ton Chevrolet truck with a 10 ft. Holiday Camper mounted on truck. All the conveniences of home, sink, 20 gal H_2O tank, 3 burner butane stove & oven, butane 3 cu. ft. refrigerator, double bed over the truck cab & single bed can be made in the dining area. For 2 people storage space is adequate.

This is quite different from the way the museum collectors first started out. First pack horse, then team & wagon, sometimes by train & then hire someone to take them by team to camp. Then the early automobile. Even in 1928 Idaho I had 11 flat tires in 2 days. Now many trips go & come

W.C. Russell

Leaving for Yellowstone Park.

Aug. 14, 1967

without a single flat.

The thought behind the acquisition of this rolling hotel was quickness of making camps. Also sleeping area always at hand, with less concern for weather too. Well we'll see. This is the maiden voyage and many questions need to be answered. There is a little better than $4000 invested so it better be real good.

The campaign idea was first put forward by Ted Johnson & seconded by O.D. Pearson. I argued against the idea. Am not aware of how the rest of the staff reacted.

This safari, Miss Russell & myself, left Reno at noon to-day. and made between Lovelock & Winnemucca this day.

Aug 15 1967.

Drove via Elko, Twin Falls, Rigby & camped along road East Burley.

Aug 16 1967

Arrived at Yellowstone around 1 P.M. and toasted the occasion

M. C. Russell Yellowstone Park, Wyoming.

Aug 16 1967

of making me a collaborator, without pay, & issuing a permit. The paper work is endless. Talked in the office of the chief naturalist. They were not too encouraging about areas where one could collect and be away from tourists. We camped for night in what is known as the over flow camp ground at Mammoth. This is a spot in Sage brush dotted with Park Headquarters. It sure isn't a place one would stay out of choice.

Aug 17, 1967

Arrived at Naturalists office at 8 A.M. Sharp & by 9 we had a permit to take small birds & mammals. Then visited office of Patrol & inform them we were headed for Stephen Creek, W of Gardiner. This is an area, a relatively late acquisition of the Park, a Sage brush mesa along the Yellowstone River that is good Antelope Range & winter range for Elk & Deer I judge from the cropped antlers.

W.C. Russell

Yellowstone Park, 3 mi. N Gardiner, 5700 ft, Mont.

Aug 14 1967

This area was formerly a cattle ranch with large irrigated alfalfa fields. The fields have gone back to native meadow grasses. It is a valley roughly a mile wide - running roughly E & W. The flats & slopes have Artimesia & Rabbit Brush. The streams coming down to the Yellowstone River have scattered Cottonwoods & willows lower down and Aspen & Doug Fir higher up. So far the only conifer encountered is Doug Fir. Seems strange to see it mixed in with sage.

On hill 100 ft. higher than ranch house there are two small ponds formed by damming the trickle coming from a spring higher up. This dam was put in by the C.C.C's. back in the 1930's. Now there is a good growth of tules around the pond with small population of Red-wing Blackbirds. The young are out of the nest and well able to fly. Also several Mallard & Mud hens on this pond.

After lunch we took a walk up to the pond. Vesper Sparrows & Clipping Sparrows are all through the grass &

W.C. Russell

Yellowstone Park, 3 mi. W Gardiner, 5400 ft., Mont.

Aug 17, 1967

sage. They are very scattered in Aspens and Doug Fir.

Aug 18 1967

Hunted along the Aspen lined draw above the pond. Young birds of all kinds are all over the place. Young especially noticable of

Robin
Red-Breasted Sapsucker
Tolmie Warbler
Vesper Sparrow
Chipping Sparrow
Red-wing Blackbird
Warbling Vireo
Flicker
Nutcracker

There is a patch of sedge on one side of pond. Found trails & cut ~~stems~~ so put out 36 mouse traps in this stuff and 29 through the dry open rocky slopes with scattered sage & other low desert shrubs.

The Empidonax #14347 was taken from a low aspen where it was quietly sitting. No a sound out of it!

W.C. Russell — Yellowstone Park, 3 mi. N Gardiner, 5400 ft., Montana.

Aug 19, 1967

Took 5 Microtus & 11 Peromyscus maniculatus as one expect they were in their respective habitats, Mice in the sedge & Peromyscus on dry slopes.
Left 36 traps all day in the sedge & had 2 more Mice in afternoon.
Hunted in other patches of Aspen & Doug Fir. Found a pair of Tree Swallows coming to a hole in a live Aspen. The Empidonax 14347 was taken from top of tall dead Doug Fir. Thrushes giving a few single notes. The single Red-breasted Nuthatch came to Pigmy Owl calls. It is a young of the year. Blue Grouse are everywhere, young birds ½ to ⅔ grown. Saw 1 Sparrow Hawk & heard a nest of young in large Doug Fir.

Aug 20 1967

Scouted a large aspen patch up Stephen Creek, some 600 ft. higher than camp. Amazing how one could come into the side of this huge grove, stand there for long periods and scarcely hear a bird. This grove is uniform in size trees say 8"-11" diam. and tall grass

W.C. Rossell

Yellowstone Park, 5400 ft, 3 mi. N
Gardiner, Mont.

Aug 20 1967

a few willow clumps, wild currant, and some unidentified weeds as an understory. For the most there are no thickets. I watched & listened and saw no Sapsuckers or woodpeckers in this grove. The Towee 14365 was giving its long buzzing note. The 2 Empidonax taken 14363-14364 were fairly quiet. I still haven't gotten an occasional single note tied to which bird as yet. Saw half dozen shed elk antlers + several 4 point deer antlers. No animals in area at this season. Flushed a pair of Lazuli buntings, the ♀ was carrying food. They were real agitated as though they still had young in a nest.

Curious thing is lack of bats here at ranch. Warm evenings - plenty of insect life and haven't seen a single bat.

35 mm mercury vapor light second night at pond yielded 5 Microtus - Peromyscus maniculatus x 1 Zapus. Only Audubon Warbler seen so far in way of warblers. Oh yes Palmie are widely scattered but hard to get.

W. C. Russell

Yellowstone Park, 3 mi. N Gardiner, 5400 ft., Montana

Aug 20 1967

Was returning to camp across Sage & rabbit brush covered flat within 300 yds. of house & put out a coyote. Mrs. R said one had been barking around 9:30 A.M. Very fine looking animal, large & well furred.

Aug 21 1964

#14367 Empidonax was quietly sitting in an aspen at the spring that supplies this house with water. This small patch of aspen & ½ dog Douglas fir is a very good place to wait for birds. Found the Cross-bills coming to feed on new cones in the Doug Fir. In fact this year must be some sort of a record for cone production. Every tree has cones all over lit from the lowest limbs to the tip.

Aug 22 1967

Hunted up slope in practically pure stand of Doug Fir, with just an occasional Juniper. For 2 hrs. never fired a shot. Only Nutcrackers seen so had to drop back to vicinity of the spring in order to get any birds. A Mt. chickadee was busy carrying insects to young in a live aspen. Seems

W.C. Russell

Yellowstone Park, 3 mi. N Gardiner, 5400 ft.
Woods

Aug 22 1967

late to have young in the nest.
Birds seen to date. are as follows.

Mallard.
Coot
Sparrow hawk
Blue Grouse
Sora Rail
Night hawk
Red-shafted Flicker
Hairy Woodpecker
Red-Breasted Sapsucker
Flycatchers saved as specimens
Barn Swallow
Tree Swallow
Peewee
Nutcracker
Mt. chickadee
House Wren
Red-breasted Nuthatch
Robin
Mt Bluebird
Starling
Warbling Vireo
Audubon Warbler
Tolmie Warbler
Red-wing Blackbird
Meadowlark

Western Tanager
Lazuli Bunting
Evening Grosbeak
Pine Siskin
Crossbill
Vesper Sparrow
Junco
Chipping Sparrow.
yellow-throat

W.C. Rossell

Yellowstone Park, 5400 ft, 3 mi. W Gardiner, Mont.

Aug 23, 1967

Took 4 Empidonax and at the time I didn't realize there were 2 each of 2 kinds. However at best I couldn't have noticed very much difference in habitat as they all were taken within 200 ft in altitude & the habitat was mixed Doug Fir & Aspen. I still haven't gotten an occasional single note pinned down to any specific bird. They are not sedentary at this time. Flit all over the place & one has to run to keep up.

The Red-breasted Sapsucker is quite a different acting bird than one sees during the breeding season. It is not in the aspen groves, but rather is found skulking in willow thickets. They are very quiet & move around very little. Have had poor luck in that last three shot at, lost all of them.

Days have been hot & usually windy. 90°-93° in the canyon & must be over 100° in the sun. Bit of thunder showers in distance but none on us.

W.C. Russell

Yellowstone Park, 3 mi. N Gardiner, 5400 ft., Montana.

Aug 24-25 1964

Have been patroling the small aspen groves in the vicinity of the spring that waters this place. In and around the willow thickets seems to be the place for most of the birds. All the Empidonax are scattered through the aspens. They are actively feeding, rarely utter a note and don't stay same perch very long. One has to chase them.

This morning Aug 25. watched a coyote 200 yds., barking for 10 minuits. Was using field glasses & picture was excellent as sun was just starting to hit the animal about 7:15 A.M. It always raised its head-muzzle pointing skyward when barks were given. It always faced N, down slope toward the river when barking. From time to time it would shift positions by about 20 ft. It was always on all 4 feet; not sitting on haunches. While coyote was going I had two Antelope in sight at same 300 yds.

W.C. Russell Yellowstone Park, 3 mi. N Gardiner, 5400 ft., Wood

Aug 24-25 1967

Later in morning saw 11 more antelope. Finally jumped a doe & fawn & a spike buck from the vicinity of the spring. Quite a morning for game. Took the Zora Rail as it was swimming at edge of tules on small pond above the house. This bird was very fat. The Evening Grosbeak road taken from a stone juniper where it was feeding on the berries. Its bill was covered with pitch.

Blacktail Deer Cr., 6700 ft., Yellowstone Park Wyo.

Aug 26 1967

Mary Meagher, Park Naturalist, and one who is studying Bison, under Leopold, was generous to give us the key to her home area. On the topo sheet it is shown as a patrol cabin. Beautiful view S from the cabin. Rolling hills, meadows & small willows in the draws. Patches of low sage brush, small aspen patches & clumps of Lodge pole pine & Englemann Spruce widely spaced on the hills.

W.C. Russell

Blacktail Deer Cr., 6700 ft., Yellowstone Park, Wyo.

Aug 26, 1967

Set out 42 traps in the meadow right in front of the cabin. This "meadow" is the darndest conglomoration of botanical specimens I have ever seen. It almost defies description. There are low willow clumps usually not over 3-4 ft. high. I get the impression these are all new growth bay less than 5 yr. old. Like it had been horribly overgrazed years ago. Then there is the mess of stuff that makes up the meadow. There are sedges, grasses, herbs & low bushes. Certainly hope someone has described them by name. There are trickles of water, seeps, ponds & mucks. It's hell to walk through for any distance.

Aug 27, 1967.

The Microtus situation is quite different than at last camp. In morning took 2 Sorex sp? (#14407 & 14408). Both young I guess as they were very small & I couldn't sex them. Took 2 Microtus, 1 Zapus, & 1 Clethrionomys. Left the traps out & in afternoon took 1 Zapus & 2 Microtus. The one Empidonax #14406 was found

W.C. Russell

Blacktail Deer Cr., 6700 Ft., Yellowstone Park, Wyo.

Aug 27 1967

in small grove of aspen not saying boo. There are quite a few sparrows in this meadow but so I haven't caught up with them. They stick in the willows & grasses & when flushed fly long distances.

Aug 28 1967

Heard elk bugling this morning. This is first morning it has been real snappy. I would say 35-38° F. Put thermometer out to-night. Took 3 Microtus, 1 Sorex, 1 Neosorex & 1 Zapus. Relocated & lengthened the line a bit in afternoon. Now have out 53 traps. No animal taken in line during day. Hunted in aspen, Lodge Pole, Doug Fir, Engleman Spruce grove N of house this A.M. Twas in this one grove where the 3 Canada Jays & 2 Pewees were taken. The Pewees was doing considerable calling. They're pugnacious little devils. They dart out at every bird that passes by - including the jays.

W.C. Russell

Blacktail Deer Cr., 6700 ft., Yellowstone Park, Wyo.

Aug 29 1967

From the 52 traps out last night took 4 Mic's + 2 Zapus. Thurs in afternoon took 3 Mics. I assume ± 14432 is a young of the species like ± 14431. If so it's strange that most of the Mics taken are young. Have only taken 2 large ones.

Hunted S up slope through the aspen & lodge pole patches. The Crossbills are not in flocks. Saw 2 together & the one taken was alone. Worked the meadow some more trying for these elusive sparrows. Took 1 young white crowned & one Lincoln sparrow. They are hard to come by. I may be reduced to trying some wing shooting. Saw 2 Red-tailed Hawks but couldn't get close. Last night we heard Canada Geese going over. Heard 1 elk bugle this A.M. Oh yes it was cool last night, thermometer showed 34° at 6:30 A.M. with frost in meadow. Thunder showers during the day.

W.C. Rossen

Blacktail Deer Cr, 6700 ft, Yellowstone Park, Wyo

Aug. 30, 1967

Drove around some toward Tower Junction looking for another place to camp but no luck. There are no side roads in this damned park where one can stop.

Aug 31 1967

Left Mary Meagher's key in the rangers office in Mammoth & checked out of her area. Drove to Tower Junction & talked with rangers about places where we could get out of sight. We are now camped on Slough Creek about a mile from where it joins the Lamar River. This is a huge meadow with a few clumps of old willows. Set out 55 traps in meadow sedges some 30" high. No water to speak of but ground still damp. 13 beavers were packed on the creek. Have flushed several Wilson Snipe. Blackbirds are beginning to flock - Yellow-head & red-wing mixed.

Slough Cr, 6300 Ft, Yellowstone Park, Wyo

Sept 1, 1967

From the 55 traps set in meadow took 4 Microtus, 1 Zapus & 2 Sorex in early morning. Left line out during the day and took 6 microtus. The main birds in the willow clumps seem to be yellow throats, young ones hopping all over the place. Also Lincoln Sparrows are numerous, again many young. In late morning found some Savannah Sparrows hopping around in a gravelly road bed. This evening 2 trumpeter swans flew low over the car and almost immediately 4 hooters came from opposite direction. Walked up the slope, open sage brush in spots. Followed a stringer of aspen along a trickle of water & body saw Lincoln Sparrow, Red-shafted Flicker & House Wren. Put up a coyote - it ran to a knoll 150 yds away and sat on its haunches while I passed.

As I write in the evening not a single note of a bird is to be heard. Have seen one Marsh Hawk over the meadow.

I repeat this curious with warm evening, air full of insects, and not a beat to be seen.

Pulled in the meadow traps, to concentrate on birds tomorrow.

Slough Cr, 6300 ft, Yellowstone Park, Wyo.

Sept 1, 1967

The jacksnipe taken was a young of year flushed from the dense meadow grasses 30 inches high. No bare ground where it came up from.

Sept 2 1967

Weather has warmed up again so nights are probably in the 40's. Very little moisture last night. Visited 2 lakes N of camp hoping to find where the flocks of black birds come from. Found the black birds & then proceeded to muff my chances at them. This was a large flock feeding in the sage brush & grassy hills around the lakes. There were at least 500 birds and they were a mixture of Red-wing - Yellowhead & Brewers. Still having trouble getting shots at the sparrows that pop up out of the grass. Walked around some Dusky Firs on low hills bordering the pot hole lakes and saw Mt. Bluebird, Lew Crossbills Red-breasted Nuthatch, Flicker & Mt. Chickadee. Now can find no sign of a flycatcher of any kind. Just 2 or 3 ducks on lakes & in such poor plumage I couldn't identify.

W.C. Russell Slough Cr, 6300 ft, Yellowstone Park, Wyo.

Sept 2 1967

A Great Blue Heron stopped on gravel bar in the creek. Made an elaborate sneak on it. It flew away. Can't find a Sapsucker in the aspen, Doug Fir or in willows in meadow. Last night saw 3 Nighthawks over creek so will be looking for them this P.M. Assuming the fishermen will ever leave. No fun trying to stay clear of people all the time.

Sept 3 1967

Made a short hunt early and took 2 Savannah Sparrows. This sparrow likes the more open sparsely grass covered slopes or the more bare bottom areas. Whereas the Lincoln Sparrow prefers the dense grasses and willow thicks of the meadows. Would say the Savannah sparrow is the wilder of the two. They are both hard to flush & get especially after the breeding season. Took the yellow headed black bird from a large flock of mixed breeds, red-wing & yellow head. These flocks feed in early morning on hills above the pot hole lakes.

W. C. Russell 3 mi. NNE Canyon, 8400 ft, Yellowstone Park, Wyo.

Sept. 3, 1967.

In mid-morning drove back to Tower Junction, then S to Canyon. Provisioned & talked to ranger in Canyon. Think we have finally hit on the solution to camping spots amidst the tourists. There are camp grounds where everyone is supposed to be at night. Then they are many picnic areas that are only for daytime use. I think for purposes of our work they'll let us stay in picnic areas. Any way that's where we are tonight in Dunraven Road picnic area. Put out about 25 mouse traps along a very small trickle of water that comes through this area. Hardly call it a creek. Heard 2 Horned Owls at dark.

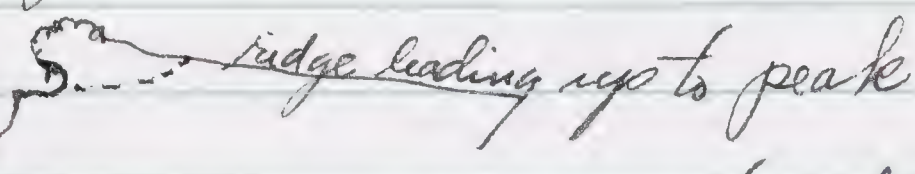
Sept. 4, 1967

Climbed up to Hedges Peak this A.M. to scout the area for horned larks. The whole area is a patchwork of patches of lodgepole pine & open grass slopes. On the E facing slopes facing Dunraven Peak the timber is dense with large

3 mi. NNE Canyon, 8400 ft., Yellowstone Park, Wyo.

Sept. 4, 1967

Lodge pole
18"-24" diam. Beneath this heavy timber are many seeps with green grass, moss & lots of sedges. Just the sort of place for thrushes & here is where I found the hermit thrush. Saw 2 besides the one taken. One was making a half hearted attempt at singing. This peak consists of a ridge that runs up and ends in a ~~pile~~ peak of rocky out-cropping.



I proceeded up the ridge then cut around under the out cropping. On the southern exposure was a shallow cave protected from the wind & sunny. In it (contured) was a 4 point buck bedded down. I was within 20 ft. when each became aware of the other. His reaction was "immediate."
Saw about 3 pine grosbeaks near the top - chased them all over the mtn. before finally getting one.

W.C. Russell

3 mi. NNE Canyon, 8400 ft, Yellowstone Park, Wyo

Sept 4 1967

Didn't see a single flycatcher of any kind. Have been hunting for deep, always hoping to hear the faint tapping of some sapsucker & finally heard it in the quiet of the A.M. Made a sneak & found a Williamson busy exploring the lower trunk of a lodge pole. End of story, for him. Out of 26 mouse traps set in & along tiny trickle running up slope from this picnic area & through lodge pole took: 5 Peromyscus maniculatus 2 Microtus richardsoni 2 Zapus. In afternoon checked traps & had 1 young richardsoni & 1 Lincoln Sparrow. Left the traps out.

Sept 5, 1967

Warm this morning - at 6:30 was around 45°. Now at 9 P.M. we are having a shower. From the 26 mouse traps took 1 flying squirrel, 2 Zapus, 3 Peromyscus maniculatus & 1 Clethrionomys. The latter taken from trap set on top of log. I usually think of getting them beneath a log.

W. C. Rossol

3 mi. NNE Canyon, 8400 ft., Yellowstone Park, Wyo.

Sept. 5, 1967

The purple finch taken is the first one seen on the trip. She looked like an old weather beaten ♀. Old brood patch still not feathered.

The Zapus taken are as fat as they can be. I'm scraping the skins, then soaking in water, gas over night. After drying the hair in sawdust they are packed flesh side out in wet paper towels to temporaten the skin. Otherwise the skin becomes so dry, in the process of drying the hair, that it cannot be stitched close.

In evening made 3 small steel sets, baited with bird bodies, in the area where flying squirrel was taken. Then added a few more mouse traps to line.

Sept 6 1967

Took 4 Zapus, 1 Clethrionomys, 1 imm Mic. richardsoni + 1 Perom. maniculatus. These "Clethrios" must be busy as this ♀ had large milk glands & had 4 large embryos!

W C Russell

3 mi. NNE Canyon, 8400 ft; Yellowstone Park, Wyo.

Sept 6 1967

In afternoon checked traps & took 1 Eutamias. In addition I set the remaining 20 traps along another small trickle up slope from the picnic area. This A.M. hunted up toward Hedges Peak. Saw a sharp-shinned Hawk make a pass at a bird and miss. It perched on a limb & gave squeeling calls very much like a Sparrow Hawk. Then a Flicker entered the scene. The hawk darted after the flicker flew a zigzag course through the timber & the while yelling his head off. The hawk again perched & the Flicker returned & lit on same limb & above the hawk. Soon the hawk gave chase again, again without catching the Flicker. This procedure was repeated 4 times. Each time the flicker would return, seemingly to egg the hawk on. Finally ended the little game with a shot. Whenever the hawk was perched it would utter these squeeling begging calls. A young & no doubt real hungry

N.C. Russell

3 mi. NNE Canyon, 8400 ft.; Yellowstone Park, Wyo.

Sept 6 1967.

I repeat again have never seen so many gophey workings as here. One can open the burrows with one's finger. Have kept 4 traps set in vicinity of the camper and have been taking many young. Finally took a young Red tail hawk. There appears to be a nest full - now on the wing in the area. Am wondering what they feed on, as there are two ground squirrels and not many Eutamias.

Rained for awhile last night. Very cloudy all day to-day. Night was quite warm - around 50°.

See & hear an occasional pine grosbeak. They'll be sitting on very tiny of tall conifer - one walks toward it & then its on top of another tall conifer 100 yds. away. One can get exhausted at this business.

Sept 7 1967

From all 54 traps only took 8 Peromyscus maniculatus & 2 Zapus.

To-day we moved going from Canyon to Fishing Bridge & camping finally at Old Faithful. Was hoping to find a good

N.C. Russell

3 mi. NNE Canyon, 8400 ft., Yellowstone Park, Wyo.

Sept 7 1967

spot for collecting. However after leaving Canyon Cox soon enters Hayden Valley which is just a high meadow with the Yellowstone River meandering through it. Then the remainder of the route is through Lodgepole pine. There is not much in way of nuts. To break the monotony of the area. So decided to stay at Old Faithful for night & return to our Camping spot of last few days.

Sept 8 1967.

Arrived back at above location at 9:30 A.M. Went up on hill above camp till 1 P.M. to pick up any birds I could find. An eagle soared by with our local population of 3 red-tail hawks diving on it. Didn't seem to disturb the eagle much however. Then I was poking in a clump of conifers when it was cool, damp & had 2 green grass and stumbled on a bull moose - antlers still in velvet. He didn't give a damn about me and

3 mi. NNE Canyon, 8400 Ft., Yellowstone
Park, Wyo.

Sept 8 1967

went right to feeding — all at 30 yds.
In evening was setting traps in this
area & came on bear again. He's as
tame as a cow.

In mid afternoon a ♀ black bear
with large cub came through camp.
They checked all parking places
for food. I took pictures & finally
retreated into camper & shut
door when she came to within
2' of the back bumper. I thought
she was going to detect the skulls
trying in a small pine so I
threw a small rock & hit her
on the head. She ran off 30-40
yds & stood & a while. They I
shot her in rear end with sling
shot & she really took off. Junior
running & keeping up.

It's real cloudy & I hear thunder
in distance - snow at 8:20 P.M.

The tourists are really thinning
out now. Many places in the park
are now closed with others
closing this week end.

W.C. Russell

3 mi. NNE Canyon, 8400 ft, Yellowstone Park, Wyo.

Sept 9 1967

Out of 25 traps took 5 Microtus richardsoni, 2 Zapus & 1 Sorex sp? (#14511). These traps were set in a area along a very small trickle of water and in a swpdge area where there is green grass & sedge. Right here is where I bumped into "Sam" bull moose that wouldn't stop eating while I was setting the traps. Rained several times during night & was raining at 7 A.M. Picked up mouse traps in rain. Made 4 gopher sets near camp last night & this morning had 2 gophers. Rained off & on during morning. This is last day of collecting. Looked like it turned about right too. Many places are closing & the weather has taken a bit of a wintery turn.

Tomorrow I'll going to try my hand at fishing the Madison River & then its home.

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W.C. Russell

Sept 1967

Oct 1968

Misc. Catalogue

14517 - 14583

index to

Mole research

N.C. Russell M.V.Z., Berkeley, California.

Sept 24 1967 acc 10707 (4)

Echo Lake, 7400', El Dorado Co., Calif.

14517 ♀ Pine Grosbeak old brood patch refeathering) in wax wing fat area
ova 5mm skull 2 layer 52.1g.

14518 ♂ " " testis 2mm (no fat) (skull double) 47.2g.

+Skel.

14519 ♀ Dendragapus obscurus 875.0g.

+Skel.

14520 ♂ " " testis 7mm 1231.0g

Jackson State ~~Reserve~~ Forest, 7,200 ft, Mendocino Co, Calif.

Aug 7 1967 (not acc) for exchange

14521 ♂ Peromyscus maniculatus 170-85-21-16 17.1g.

14522 ♂ Eutamias townsendii 247-110-37-22 81.8g

Above two specimens prepared as demonstration for student. Save as exchange material.

Nov 6 1967.

acc. 10741 (2)

Junction White Cap Cr. & Selway River, Idaho Co, Idaho

14523 ♂ Ruffed Grouse Coll. Oct 23 1967

Junction Paloma Cr. & White Cap Cr., Idaho Co, Idaho

14524 ♀ Sciurus douglasii coll. Oct 31, 1967 312-135-50-25

Above 2 specimens taken on elk hunt. No luck this year. Weather was not good - rain & snow everyday. Son Jerry took 1 young mule deer. We saw 3 white tail deer. Never saw an elk.

Nov 8 1967

acc 10720 (1)

Skel. Only
14525 ♀ Jacksnipe Butte City, Glenn Co, Calif.
taken Nov 21, 1964.

Nov 9 1967

acc. 10721 (1)

15 mi. SE Dixon, Solano Co, Calif.
14526 ♀ Mallard-Pintail cross 788.8g.
Coll. Nov 4 1967 by A S Leopold.
In flock of Pintail.
Males of eggs was 30 mm long and
appeared normal to the eye.
Legs a pale grayish yellow - similar
to a wood duck or gadwall.

Nov 16 1967

not acc for class coll.

½ mi. N Montague, Siskiyou Co., Calif.
14527 ♂ Ruddy duck 624.0g.
Coll by Caroline Cashart.

Dec 10 1967

acc. 10727 (1)

10 mi. S Marysville, Yuba Co, Calif.
14528 (♀♂)? Mallard wt. 920.0g.
Coll. by Jerry Russell
This bird had no sex organs
visible to naked eye.

Jan 2 1968
acc 10728 (1 specimen)

Skel. only
14529 ♂ Flesh hacker Zoo - S.F.
tiger 1155-405-?-? wt. 27½ lb.
measurements taken on skinned carcass
Died in Zoo Dec 26 1967 at age
of 4 mo. Also born in Zoo.
Ronald Reuther Zoo director says
it is a bengal tiger.
Rec. as frozen skinned carcass.

Jan 29 1968
acc 10740 (1)

14530? Africa - Berkeley, Alameda Co, Calif
Agapornis personata wt. 40.3 g.

Caged bird - brought in by Frank
Pitelka. Died Dec 28 1967.

Feb 5 1968
acc. 10743 (1)

Skin + skeleton ♂ On beach San Luis Obispo Co,
14531 Sea Otter testes 55 x 25 mm. 1100-280-216-23 38.0 lb.
Pick up July 30 1967.
Letter to Benson from Howard Shebley
dated Jan 30 1968.
Rec. as frozen carcass.
Quite a few holes in skin of back
as if picked or eaten by crabs? maybe.

W.C. Russell M.V.Z., Berkeley, Calif.

April 23, 1968 acc 10761

Berkeley, Alameda Co., Calif.

14532 ♀ Fox Squirrel 512-240-68-25 wt. 561.5.

Pick up in street Feb 13 1968 by Mark Anderson. ~~Estace~~. To be used in campus case.

May 28 1968

acc 10747 (9)

Fleishhacker Zoo, San Francisco

Skin 14533 ♀ Poecphila rec. Mar 2 1968 wt. 12.3g.

Skin 14534 ♂ " rec. Mar 2 1968 " 11.8g.

Skel. only 14535 ? Capito auroriens " " " —

Skel. only 14536 ? Passerina leclancheri " " " —

Skel. only 14537 ? " " " " " —

Skel. only 14538 ♂ Lonchura fuscinosa " " —

Skel. only 14539 ? Poecphila gouldiae " " " —

Skin ~~14540~~ ♂ ~~Poephila~~ acuticaudata " " ~~8.0g.~~

Skel. ~~14541~~ " " " " ~~7.3g.~~

Skin 14540 ♂ Bathilda ruficauda 8.0g

Skel. only 14541 ♂ " " " " 7.3g

May 28 1968

Fleishhacker Zoo, San Francisco

acc 10762 (1)

14542 ♀ Binturong 1372-685-145-51 wt. ~~52~~ 52½ lb

Rec. as frozen carcass. Extremely fat!!

June 6 1968
acc 10767 (9)
5 mi. W Newark, Alameda Co, Calif.

SKIN
14543 ♀ Avocet — largest egg 4 mm, egg mass 20 mm, Brood Patch. wt. 310.0 g.

June 11 1968
14544 ♂ Avocet — no Brood Patch, testes 7 mm. — 310.0
14545 ♂ " — Brood Patch, refeathering, testis 8 mm — wt. 325.0
14546 ♂ " — Brood Patch, testis 12 mm x 6 mm — wt. 350.0

14544 ~ 14546 taken from large flock. Others taken from pairs.

June 20 1968
acc 10766 (2)
S E Farallon Island.

14547 ? Crested Fly catcher — Sept 25 1967 — 30.5.
~~♂~~ Fairhaven, Humboldt Co, Calif.
14548 ? Vireo philadelphicus — Sept 16 1967 — 10.6 g.
Rec. from Rich Stallcup.

June 21 1968
acc 10745 (1)
14549 ♀ Anna Hummer — ovum 4 mm — wt. 4.4 g.
Pick up Feb 22 1968
Brought in by a student, Mr K Mendelson
Bird strangled by a piece of nest material.

July 26 1968
acc 10779 (1)

Berkeley, Alameda Co, Calif. 2775 Hilgard

14550 ♀ Quail imm. wt. 34.2g.

This bird found dead in yard. Have lived at this address 31 years and have never seen any young quail on the lot. Though they do hatched & raised and surrounding hills. This bird has no top knot and Cal quail do at this age. There are several other quail being kept at the behavior station which is up slope due E some ½ - ¾ mile from our lot.

Sept 25 1968
acc 10803

Skin+Skel. 2 mi. NW Brentwood, Contra Costa Co, Calif.
14551 ♀ White-tailed Kite no wt.

Bird picked up crippled - very thin so not weighed.
Brought to M.V.Z. by Ray Stendell.

Oct 1 1968

acc 10648

Bradford Is, 8 mi. NE Antioch, Contra Costa Co.

Skin Skel ♀
14552 White-tail Kite coll Feb 9 1967 310. g.

Alcoholic
14553 " " " " Mar 2 1967 280. g.

not acc

Welf Tract, Contra Costa Co, Calif.

Skin + Skel ♂(imm)
14554 White tail Kite only 1 testis. 229.7 g.
pickup by Jim Lynch & Peter Ames in Aug 1967

acc. 10646

Grizzley Is, Solano Co, Calif.

Skel. ♂
14555 White tail Kite Dec 1966-Jan 1967 295.5 g.

Skel. ♀
14556 " " ovaries on both sides" " " 333.6 g.

not acc

14557 ? White-tail kite
rec. as a dried unprepared skin with no label.

not acc for exchange

Hastings Reservation, 2000 ft., Monterey Co, Calif
14558 ♀ Dipodomys June 9 1969 310-190-45-18 wt. 69.5 g.

Prepared as a demonstration.

not acc.

14559 ♀ Tricolor Blackbird. Mar 30 1968 —
Prepared as demonstration

W.C. Russell

Nov 21 1968 acc. 10819

Fleishhacker Zoo, San Francisco

145608 Hippotragus niger 2287-490-500-220 —

Born in Mozambique, Africa, estimated in 1965.
Died Nov 8 1968
Rec. at Zoo Dec 23 1966 from Frans Van Den Brink, 58 E st. Amsterdam
Rec. from Ronald Reuther Zoo director.
Skinned at Zoo after being taken from Lenzie & thawed. No facilities or help available to weigh the animal.

Nov 26 1968
acc 10818 (1)

San Diego Zoo

+Skel. 14561 ? Rhigyx solitarius — —

Rec. as frozen, gutted carcass.
Died Dec 3 1967
Couldn't sex or weigh.

N. C. Russell

MVZ., Berkeley, Alameda Co., Calif.

Dec 19 1968
acc 10822 (1)

Echo Lake, El Dorado Co., Calif.

Skull only
14562 ♂ Lepus w. tahoensis (imm) 275-30-95-60
Coll. Sept 21 1968
Had the frozen carcass and my dog got it while it was thawing preparatory to skinning it. Result could measure same but only skull saveable.
Taken in thicket of huckleberry oak on N slope above the lake.

Jan 10 1969
not. acc. for class coll.

Leslie Salt Ponds, Newark, Alameda Co

14563	♀	Avocet	ovum 5 mm	Brood Patch	Aug 24
14564	♂	"	testis 12 mm	Brood Patch	Aug 24
14565	♀	Cliff swallow	Brood Patch	June 11	Wt. 20.5
14566	♀	" "	Laying	June 11	" 22.9 g.
14567	♂	" "	testis 5 mm	Ap 24	
14568	♀	" "	Brood Patch	June 11	Wt. 21.8

5 mi. N Santa Cruz, Santa Cruz Co, Calif.

14569	♀	Hutton Vireo		Ap 4	" 10.6 g.
14570	♂	" "	testis 4 mm	Ap 3	" 12.0

10 mi. S Marysville, Yuba Co, Calif.

14571 ♂ Meadowlark Mar 30 1968 testis 11 mm Wt. 121

N.C. Russell MVZ, Berkeley, Calif.

Jan 17 1969

Have had a few specimens of mole sitting around in my room which had never been given field numbers. Since all my mole material is now being donated to the Museum these last few stragglers will now be entered in note book.

2777 Hilgard Ave, Berkeley, Alameda Co., Calif.

Skel. Only 14572 ♂? Scapanus probably yg. of year coll. June 12 1961 159-26-19 wt. 56.5g.

Berkeley, Alameda Co., Calif.

Skull only 14573 ♀ Scapanus Tubes very small Probably yg of year coll. May 20 1964 166-30-20 wt. 66.8g.

Tilden Park, Contra Costa Co., Calif.

Skull only 14574 ♂ Scapanus coll. May 30 1958 175-33-20 —

3 mi. W Tomales, Marin Co., Calif.

Skull only 14575 ♀ Scapanus coll. Mar. 3, 1958 178-35-22 —

Skull only 14576 ♀ " coll. Nov. 22, 1957 189-37-21 —

3 mi. E Santa Cruz, Santa Cruz Co., Calif.

Skull only 14577 ♂ Scapanus testes 2 mm coll. Apr 4 1962 184-39-20 —

Santa Cruz, Santa Cruz Co., Calif.

Skull only 14578 ♀ Scapanus coll. Dec. 13, 1958 185-32-19 —

W.C. Rossell M.V.Z., Berkeley, Calif.

Feb 17 1969

not acc (for Sagehen)

Sagehen Cr., 7 mi. N + 2 mi. W Truckee, 6400 ft, Nevada Co, Calif.

14579 ♂ Lepus w. tahoensis coll Feb 9 1969 337-40-110-68 wt. 8 22.8

April 1 1968

acc 10840 (3)

Fleishhacker Zoo S.F.

Skel. Only
14580 ♂ Giant Anteater 1830-685-152-62 wt. 721b. gutted

Skull Only
14581 ♀ Black Buck (imm.) 746-165-265-85 ——

Skin + Skel.
14582 ♂ Colobus Monkey 1257-634-190-39 ——

Oct 1 1968

acc. 10876 (1)

14583 ♂ Canis familiaris 952-247-170-110 wt. 35lb

This dog "Poochie" lived with the Bensons for 15+ years. He was born on March 15 1954 to a dog belonging to Richard Fisher. At that time we decided to save skulls along from time to time, starting at birth. This dog #14583 was the last of the litter. The other dogs are in acc. 8880.

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